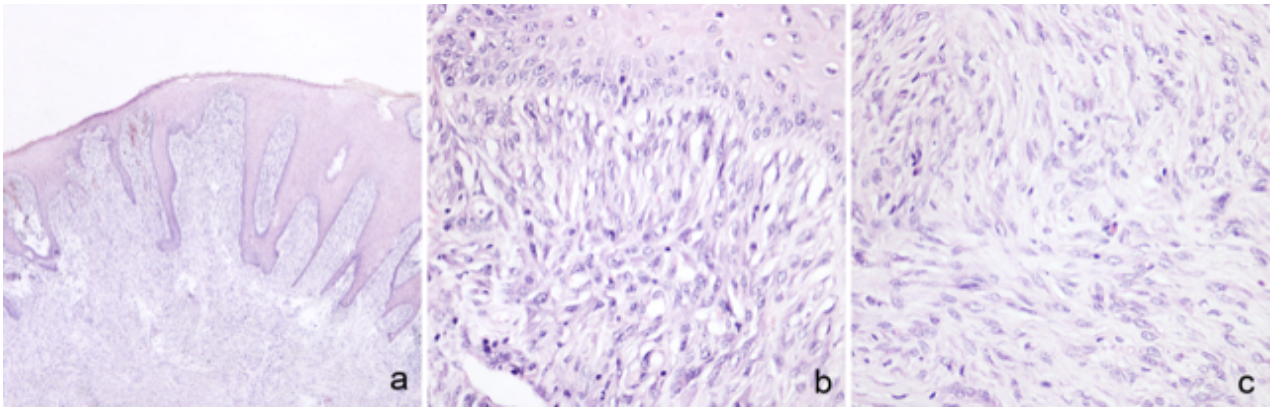
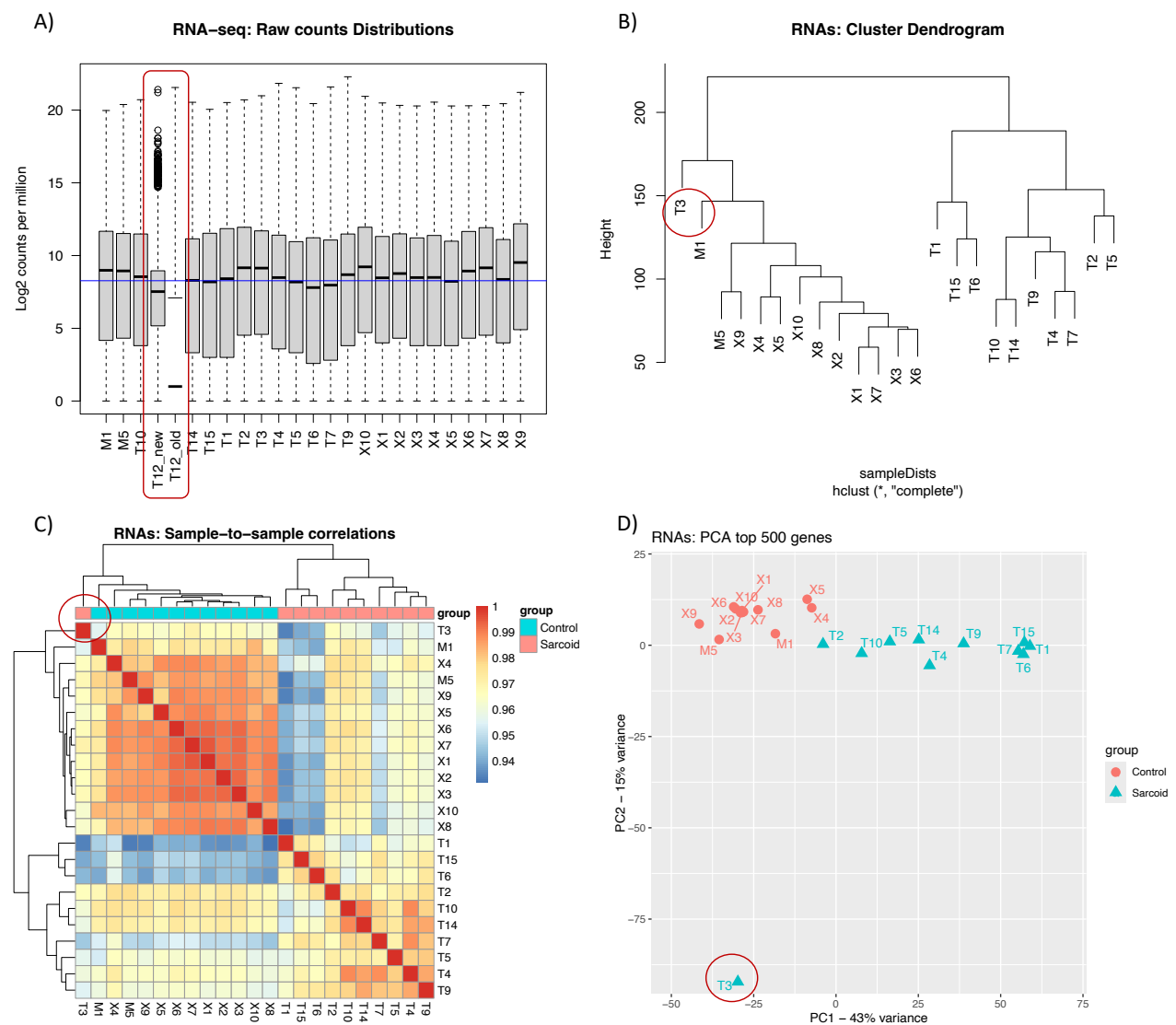




Supplementary Figure S1: a) The epidermis, when present, was moderately to severely hyperplastic, forming some projections into the underlying dermis, called “rete pegs” (H&E, 1.5x); b) under the epidermis, the neoplastic cells were often forming palisades, defined as “picket fence” aspect ” (H&E, 40x); c) the tumors were invariably represented by a proliferation of spindle cells, arranged in variably long bundles, usually supported by a mild to moderate amount of fibrovascular stroma (H&E, 40x).



Supplementary Figure S2. Exploratory analysis for mRNA-seq data: A) Count distribution's histogram for each sample showing T12 data high variability compared to the other samples; B) Dendrogram of sample clusters, sample T3 is closer to the samples belonging to the control group (X) and the margins (M); C) Correlations' heatmap between samples; D) Principal components analysis.

Supplementary Table S1. Sequencing statistics for the small RNA library

Sample	raw reads	reads after trimming	uniquely mapped reads on miRBase	% uniquely mapped reads on miRBase	uniquely mapped reads on genome	% uniquely mapped reads on genome
X1	22,946,838	13,992,161	4,056,794	28.99	1,858,903	24.85
X2	28,361,614	19,238,747	5,386,617	28.00	2,637,376	24.96
X3	24,464,425	16,008,968	4,937,742	30.84	1,993,307	24.97
X4	27,065,074	17,020,728	5,434,249	31.93	2,191,507	28.29
X5	19,553,653	15,219,690	5,838,894	38.36	2,108,486	35.72
X6	28,621,472	20,730,965	7,513,440	36.24	2,794,350	33.64
X7	25,718,809	20,510,398	8,565,840	41.76	2,676,182	39.35
X8	28,566,145	14,222,037	3,558,806	25.02	1,866,919	21.51
X9	20,636,061	10,731,968	1,823,845	16.99	1,346,325	17.10
X10	27,238,511	21,998,717	8,256,423	37.53	3,198,760	42.65
M1	20,022,594	10,647,400	2,773,481	26.05	1,438,404	25.61
M5	25,865,479	17,039,492	6,623,757	38.87	2,335,915	36.76
T1	18,114,873	15,719,714	4,903,817	31.20	3,531,853	71.18
T2	19,407,085	16,170,253	6,148,970	38.03	3,117,468	64.40
T3	27,666,641	20,449,783	5,930,284	29.00	2,935,375	38.48
T4	21,937,703	15,814,869	5,538,278	35.02	2,753,081	41.40
T5	20,154,454	18,223,896	6,482,835	35.57	3,789,791	67.36
T6	29,420,797	26,614,812	9,147,262	34.37	5,729,745	70.41
T7	28,295,014	24,312,705	8,902,413	36.62	4,885,971	55.81
T9	22,513,938	20,007,772	7,323,385	36.60	4,239,920	67.48
T10	25,371,726	21,087,407	7,679,602	36.42	4,059,574	55.97
T12	26,663,851	22,306,860	6,462,039	28.97	5,256,534	53.91
T14	18,137,985	15,736,001	6,939,717	44.10	3,011,615	65.70
T15	21,223,295	19,541,421	7,170,445	36.69	3,659,432	76.07
Mean	24,082,001.54	18,056,115.17	6,141,622.29	33.47	3,059,033.04	45.15

Supplementary Table S2. Sequencing statistics for the mRNA library

Sample	raw reads	reads after cleaning	uniquely mapped reads	% uniquely mapped reads
X1	56,215,397	55,237,106	50,474,334	91.38
X2	64,604,127	63,206,606	57,376,405	90.78
X3	49,214,999	48,365,058	44,693,629	92.41
X4	56,222,786	55,496,936	51,501,411	92.80

X5	48,457,581	47,106,232	41,723,124	88.57
X6	69,219,598	68,089,349	62,452,562	91.72
X7	74,308,834	73,611,554	69,447,053	94.34
X8	51,342,135	50,156,655	44,884,497	89.49
X9	103,515,977	102,239,313	94,417,979	92.35
X10	83,526,757	82,691,835	75,508,660	91.31
M1	63,464,106	62,703,908	58,269,163	92.93
M5	57,680,830	56,989,352	52,137,681	91.49
T1	78,816,397	77,990,872	73,579,716	94.34
T2	80,024,619	79,292,775	75,637,640	95.39
T3	68,371,123	67,594,426	63,800,055	94.39
T4	62,064,697	61,441,043	58,746,056	95.61
T5	49,361,244	48,655,305	46,022,631	94.59
T6	55,877,759	55,150,853	52,457,143	95.12
T7	49,888,069	49,292,547	47,058,519	95.47
T9	67,624,599	66,950,983	63,755,723	95.23
T10	60,487,486	59,738,515	56,355,790	94.34
T12_old	40,478,281	37,547,515	18,306,000	48.75
T12_new	67,426,918	57,960,404	30,971,678	53.44
T14	50,124,767	49,147,420	46,011,376	93.62
T15	67,340,492	66,134,223	62,279,156	94.17
Mean	63,026,383	61,711,631	55,914,719	89.76

Supplementary Table S3. Differentially expressed miRNAs in sarcoid vs control groups.

miRNA	log2FoldChange	p-value	FDR
eca-mir-337	7.071777295	7.96E-14	7.71E-13
eca-mir-503	7.02522599	2.37E-35	1.75E-33
eca-mir-424	6.267462271	2.66E-59	9.77E-57
eca-mir-450c	6.265053572	4.56E-48	4.20E-46
eca-mir-542	6.08942605	2.20E-54	2.70E-52
eca-mir-450a	6.010005388	1.62E-56	2.98E-54
eca-mir-431	5.64709917	4.94E-22	2.60E-20
eca-mir-450b	5.61207343	1.64E-34	1.01E-32
eca-mir-541	5.574062873	2.66E-13	2.39E-12
eca-mir-134	5.401625707	1.97E-17	3.29E-16
eca-mir-487a	5.1244619	2.23E-12	1.91E-11
eca-mir-376b	5.111979955	6.12E-21	1.96E-19
eca-mir-1185	5.09330345	1.52E-20	4.30E-19
eca-mir-376a	5.014099691	3.18E-19	7.31E-18
eca-mir-493b	4.894663121	5.28E-20	1.39E-18
eca-mir-381	4.727298208	3.79E-17	6.06E-16
eca-mir-485	4.590257726	1.16E-10	8.41E-10

eca-mir-432	4.549476116	2.32E-18	4.28E-17
eca-mir-376c	4.494125722	2.15E-19	5.27E-18
eca-mir-655	4.490523971	1.44E-08	8.41E-08
eca-mir-409	4.444323215	6.39E-21	1.96E-19
eca-mir-1193	4.427956132	2.46E-08	1.39E-07
eca-mir-127	4.366854467	7.40E-16	8.51E-15
eca-mir-299	4.233973052	1.60E-18	3.10E-17
eca-mir-487b	4.200348817	8.78E-17	1.24E-15
eca-mir-410	4.197738471	2.28E-09	1.52E-08
eca-mir-370	4.194469227	1.21E-12	1.06E-11
eca-mir-329a	4.148829988	1.26E-10	8.92E-10
eca-mir-379	4.140313478	7.43E-17	1.09E-15
eca-mir-369	4.065778882	4.12E-18	7.22E-17
eca-mir-411	4.022969011	9.63E-17	1.31E-15
eca-mir-495	3.991082968	9.33E-09	5.63E-08
eca-mir-377	3.985604457	6.35E-08	3.20E-07
eca-mir-889	3.975396464	2.15E-21	9.91E-20
eca-mir-494	3.835620723	2.31E-16	2.74E-15
eca-mir-154a	3.813978165	3.74E-11	2.75E-10
eca-mir-323	3.776810042	3.77E-19	8.16E-18
eca-mir-154b	3.715277242	1.32E-14	1.39E-13
eca-mir-382	3.710913817	1.31E-13	1.23E-12
eca-mir-3958	3.699631732	4.35E-21	1.78E-19
eca-mir-136	3.652717377	4.10E-15	4.44E-14
eca-mir-758	3.623406426	9.65E-12	7.40E-11
eca-mir-539	3.600108833	6.81E-12	5.45E-11
eca-mir-543	3.574945834	1.03E-11	7.71E-11
eca-mir-3959	3.541273423	2.59E-15	2.88E-14
eca-mir-544-2	3.496820497	1.06E-07	5.21E-07
eca-mir-433	3.407745523	5.66E-12	4.73E-11
eca-mir-380	3.363854494	5.51E-05	0.00018113
eca-mir-329b	3.233849878	8.62E-08	4.29E-07
eca-mir-412	3.161701887	5.93E-12	4.85E-11
eca-mir-656	3.065642046	2.85E-09	1.84E-08
eca-mir-496	2.828231645	5.89E-09	3.67E-08
eca-mir-92b	2.572295298	4.50E-06	1.72E-05
eca-mir-1197	2.531637332	0.00023437	0.0006738
eca-mir-615	2.206059431	0.00095893	0.00233701
eca-mir-218-1	2.123884487	5.78E-05	0.00018657
eca-mir-763	2.006585152	0.0127568	0.02407438
eca-mir-216b	2.004181613	2.35E-06	9.61E-06
eca-mir-9097	2.000642862	0.01865555	0.03316541
eca-mir-7177b	1.953633522	0.00012136	0.00036606

eca-mir-301b	1.921694984	0.00354599	0.00776741
eca-mir-1597	1.82851355	0.01376168	0.02557726
eca-mir-218-2	1.751020013	0.00246921	0.00557467
eca-mir-671	1.721922162	3.95E-17	6.06E-16
eca-mir-2114	1.636855769	0.00875493	0.01704379
eca-mir-675	1.585329881	5.09E-05	0.00016861
eca-mir-190a	1.538466212	3.87E-06	1.50E-05
eca-mir-214	1.515890287	7.07E-14	7.03E-13
eca-mir-224	1.506320107	0.0022558	0.00515611
eca-mir-128-1	1.503305273	0.00051171	0.00133553
eca-mir-100	1.477966097	5.28E-07	2.43E-06
eca-mir-181b	1.447817969	5.47E-07	2.48E-06
eca-mir-345	1.424758469	3.39E-08	1.78E-07
eca-mir-125b	1.41889486	9.38E-12	7.34E-11
eca-mir-2483	1.34359714	0.00049098	0.00129986
eca-mir-8958	1.280330207	0.00476682	0.00991068
eca-mir-1301	1.172403921	3.12E-06	1.22E-05
eca-mir-9185	1.17195442	0.00010779	0.00033055
eca-mir-221	1.167519504	1.26E-06	5.36E-06
eca-mir-146a	1.165721109	0.00011732	0.0003568
eca-mir-8977	1.148397387	0.02381237	0.041928
eca-mir-199b	1.142208116	2.81E-14	2.88E-13
eca-mir-454	1.093740246	1.50E-05	5.34E-05
ENSECAG00000038227	1.080736785	2.16E-16	2.65E-15
eca-mir-199a	1.056255777	1.60E-13	1.47E-12
eca-mir-3613	1.055112956	0.00028141	0.00079052
eca-mir-330	1.04299213	6.60E-05	0.00020752
eca-mir-130b	1.01207733	0.00117695	0.00279432
ENSECAG00000050098	1.007975668	1.27E-06	5.36E-06
eca-mir-126	-1.101654262	1.01E-08	6.00E-08
eca-mir-139	-1.113339705	2.31E-07	1.12E-06
eca-mir-3065	-1.119259613	0.00769506	0.01529709
eca-let-7f-2	-1.135002328	1.91E-09	1.30E-08
ENSECAG00000037174	-1.141398595	0.00292466	0.00644477
eca-mir-92a	-1.172959525	6.02E-07	2.70E-06
eca-mir-122	-1.185759387	0.00250568	0.0056225
eca-mir-483	-1.197130815	0.0002763	0.00078213
eca-mir-449b	-1.20420671	0.00013523	0.00040133
eca-mir-92a-2	-1.213643623	1.03E-16	1.36E-15
eca-let-7a	-1.266000335	2.67E-09	1.75E-08
eca-mir-8978	-1.293207185	0.00773168	0.01529709
ENSECAG00000025939	-1.415952384	2.93E-06	1.16E-05
eca-mir-9000	-1.459094035	0.00091614	0.00226268

eca-mir-551a	-1.55349084	2.32E-06	9.60E-06
eca-mir-8928	-1.63334705	9.01E-05	0.00028095
eca-mir-873	-1.651634274	0.00270969	0.00600703
eca-mir-8986a	-1.741452928	2.77E-08	1.52E-07
eca-mir-9105	-1.788973188	0.00071678	0.00181914
eca-mir-885	-1.80418391	0.00038239	0.00104237
eca-mir-592	-1.82452832	3.83E-07	1.79E-06
eca-mir-143	-1.833940936	7.49E-19	1.53E-17
eca-mir-8915	-1.8865301	0.00163456	0.00378313
eca-mir-8986b	-1.90964272	5.45E-08	2.79E-07
eca-mir-145	-1.919406019	1.08E-16	1.37E-15
eca-mir-9023	-2.012244605	0.00063568	0.00163588
eca-mir-9147	-2.058671714	5.40E-06	2.03E-05
eca-mir-9152	-2.085703315	0.0039056	0.00840504
eca-mir-486	-2.106716213	0.00090212	0.00224311
eca-mir-488	-2.134075471	0.00533474	0.0109675
eca-mir-95	-2.224760818	2.43E-06	9.81E-06
eca-mir-9184	-2.254662137	0.00021488	0.00062263
eca-mir-216a	-2.271098644	0.00187333	0.00430866
eca-mir-205	-2.27211667	0.00385682	0.00834888
eca-mir-9180	-2.279378903	0.01033883	0.01981609
eca-mir-1248	-2.282691131	3.23E-08	1.72E-07
eca-mir-9034	-2.354819362	3.20E-08	1.72E-07
eca-mir-184	-2.377660833	9.18E-06	3.38E-05
eca-mir-451	-2.381223338	0.00262859	0.00586255
eca-mir-708	-2.443812719	2.46E-07	1.17E-06
eca-mir-141	-2.493132269	6.32E-05	0.00020046
eca-mir-135b	-2.530932896	2.47E-06	9.87E-06
eca-mir-429	-2.571580776	0.00035705	0.00098056
eca-mir-200c	-2.706684628	3.21E-05	0.00011041
eca-mir-96	-2.712723502	4.90E-06	1.86E-05
eca-mir-200b	-2.738282554	0.00031	0.00085775
eca-mir-182	-2.795596884	6.93E-07	3.07E-06
eca-mir-9013	-2.899341018	1.32E-05	4.76E-05
eca-mir-135a-2	-2.925555953	4.27E-08	2.21E-07
eca-mir-1291a	-2.977285471	0.00014047	0.00041354
eca-mir-183	-3.012305409	2.22E-08	1.27E-07
eca-mir-204b-2	-3.11897216	6.35E-21	1.96E-19
eca-mir-489	-3.492502908	7.62E-07	3.34E-06
eca-mir-375	-3.493821726	3.85E-05	0.0001301
eca-mir-8939	-3.643236704	1.14E-09	7.89E-09
eca-mir-653	-4.085318444	4.13E-05	0.00013829

Supplementary table S4. Differentially expressed genes in sarcoid vs control groups.

Ensembl gene ID	log2FoldChange	pvalue	FDR
ENSECAG00000000092	8.51749074	9.97E-09	1.13E-07
ENSECAG00000005948	8.27881924	1.55E-17	8.66E-16
ENSECAG000000037274	7.87640042	5.31E-12	1.15E-10
ENSECAG000000032944	7.70592044	3.78E-15	1.43E-13
ENSECAG000000035391	7.69454691	3.07E-28	8.17E-26
ENSECAG000000044439	7.67657033	4.19E-21	3.84E-19
ENSECAG000000048241	7.5460684	2.77E-08	2.81E-07
ENSECAG000000012690	7.38263215	1.51E-11	3.05E-10
ENSECAG000000022590	7.35268759	0.00035873	0.0012867
ENSECAG000000020355	7.33405638	6.97E-09	8.24E-08
ENSECAG000000016567	7.31295011	2.17E-09	2.90E-08
ENSECAG000000031731	7.30596247	0.00049014	0.00168512
ENSECAG000000052623	7.21526567	3.96E-07	3.04E-06
ENSECAG000000052066	7.20583044	2.51E-05	0.00012279
ENSECAG000000051645	7.18811836	6.04E-10	9.00E-09
ENSECAG000000051458	7.05831726	1.23E-06	8.40E-06
ENSECAG000000006879	7.00118672	3.31E-09	4.20E-08
ENSECAG000000044210	6.9644999	3.32E-09	4.21E-08
ENSECAG000000008946	6.87889888	7.48E-12	1.58E-10
ENSECAG000000034891	6.84217894	4.55E-11	8.45E-10
ENSECAG000000019048	6.7836897	0.00025046	0.00093988
ENSECAG000000046053	6.7802074	2.93E-38	3.12E-35
ENSECAG000000046821	6.73410753	1.94E-09	2.62E-08
ENSECAG000000020826	6.73056976	4.91E-07	3.70E-06
ENSECAG000000012702	6.68032548	0.00042357	0.00148729
ENSECAG000000019922	6.6003161	2.76E-07	2.20E-06
ENSECAG000000059991	6.57602062	6.33E-17	3.14E-15
ENSECAG000000058637	6.47509491	0.00090897	0.00290626
ENSECAG000000059098	6.44973129	2.46E-11	4.76E-10
ENSECAG000000011260	6.4024074	6.02E-09	7.21E-08
ENSECAG000000013717	6.33737396	6.22E-14	1.91E-12
ENSECAG000000022230	6.32873564	5.09E-06	2.95E-05
ENSECAG000000016482	6.3080576	4.10E-05	0.00019079
ENSECAG000000037997	6.19974129	3.96E-05	0.00018486
ENSECAG000000016325	6.02051423	0.00022527	0.00085587
ENSECAG000000039631	5.95032133	3.63E-07	2.82E-06
ENSECAG000000049329	5.91274626	0.00042519	0.00149227
ENSECAG000000049449	5.90160899	4.98E-11	9.18E-10
ENSECAG000000049514	5.89236311	1.10E-06	7.61E-06
ENSECAG000000029110	5.86782188	3.75E-18	2.30E-16

ENSECAG00000013199	5.86020582	0.0012699	0.00389582
ENSECAG00000054424	5.85045427	3.56E-17	1.85E-15
ENSECAG00000048157	5.73080952	9.16E-09	1.05E-07
ENSECAG00000050649	5.55443995	6.54E-06	3.70E-05
ENSECAG00000055363	5.53487699	2.48E-14	8.07E-13
ENSECAG00000048888	5.52516327	0.00091862	0.0029332
ENSECAG00000056392	5.50664939	8.18E-08	7.40E-07
ENSECAG00000056249	5.47646603	6.13E-06	3.49E-05
ENSECAG00000010869	5.37367048	1.91E-11	3.76E-10
ENSECAG00000058246	5.35325029	5.29E-08	5.01E-07
ENSECAG00000047759	5.34908743	1.33E-22	1.50E-20
ENSECAG00000020373	5.34375972	2.03E-06	1.31E-05
ENSECAG00000060279	5.31419637	2.28E-07	1.86E-06
ENSECAG00000046503	5.29400056	4.07E-05	0.00018947
ENSECAG00000047014	5.25946406	2.20E-06	1.41E-05
ENSECAG00000037831	5.24184867	1.30E-10	2.21E-09
ENSECAG00000049849	5.19103535	2.66E-17	1.42E-15
ENSECAG00000059461	5.12569505	0.01642294	0.03574085
ENSECAG00000012742	5.12419276	3.63E-09	4.57E-08
ENSECAG00000052712	5.10258756	4.69E-07	3.54E-06
ENSECAG00000057128	5.10075873	5.87E-09	7.07E-08
ENSECAG00000046014	5.09791358	5.54E-12	1.19E-10
ENSECAG00000001034	5.07393074	1.08E-08	1.21E-07
ENSECAG00000036059	5.06728207	2.36E-18	1.48E-16
ENSECAG00000011404	5.06647494	3.78E-08	3.71E-07
ENSECAG00000045572	5.06064554	0.01085894	0.02507792
ENSECAG00000056945	5.05995739	0.00026246	0.00098074
ENSECAG00000048679	5.05123534	9.12E-05	0.00038894
ENSECAG00000034502	5.02186142	3.79E-07	2.93E-06
ENSECAG00000011334	5.01720069	1.94E-06	1.26E-05
ENSECAG00000055512	5.01483455	2.57E-08	2.64E-07
ENSECAG00000043839	4.97970565	2.99E-13	8.14E-12
ENSECAG00000022850	4.97065079	8.95E-08	8.03E-07
ENSECAG00000000065	4.93909063	0.00152466	0.004575
ENSECAG00000045458	4.93434153	9.53E-15	3.36E-13
ENSECAG00000058764	4.92865407	9.00E-06	4.92E-05
ENSECAG00000054390	4.92350649	1.80E-08	1.92E-07
ENSECAG00000008597	4.91024492	0.00014311	0.00057494
ENSECAG00000054655	4.9038609	0.01049496	0.02437082
ENSECAG00000049787	4.89565552	4.06E-06	2.42E-05
ENSECAG00000047076	4.86175716	0.00159374	0.00475167
ENSECAG00000021446	4.85428722	2.98E-12	6.68E-11
ENSECAG00000059511	4.85019969	8.87E-05	0.00037926

ENSECAG00000059589	4.84412476	5.97E-09	7.17E-08
ENSECAG00000011274	4.83748024	0.00141565	0.00428988
ENSECAG00000014395	4.83572719	3.63E-12	8.04E-11
ENSECAG00000023425	4.8354173	2.40E-19	1.80E-17
ENSECAG00000016649	4.82938506	2.26E-15	8.78E-14
ENSECAG00000046252	4.82414668	4.03E-15	1.51E-13
ENSECAG00000002935	4.80179354	7.73E-23	9.05E-21
ENSECAG00000054997	4.78995601	5.96E-09	7.17E-08
ENSECAG00000037347	4.78034567	1.04E-18	6.91E-17
ENSECAG00000047293	4.77360916	4.12E-18	2.51E-16
ENSECAG00000030364	4.76531199	1.58E-06	1.05E-05
ENSECAG00000012602	4.76304671	7.14E-25	1.17E-22
ENSECAG00000021568	4.74301806	5.52E-07	4.11E-06
ENSECAG00000032607	4.71178081	0.00074486	0.00243664
ENSECAG00000020070	4.70164809	5.75E-05	0.00025734
ENSECAG00000013924	4.68644105	2.31E-13	6.40E-12
ENSECAG00000021728	4.67431184	3.61E-08	3.57E-07
ENSECAG00000014295	4.66031515	6.22E-05	0.00027699
ENSECAG00000024627	4.65080401	2.76E-12	6.24E-11
ENSECAG00000032622	4.62381813	5.95E-07	4.38E-06
ENSECAG00000010025	4.61573257	8.00E-14	2.38E-12
ENSECAG00000056331	4.61303937	6.08E-13	1.57E-11
ENSECAG00000032414	4.61060725	0.00017233	0.00067608
ENSECAG00000029056	4.59726238	0.00012437	0.00050845
ENSECAG00000014510	4.58399834	1.26E-08	1.39E-07
ENSECAG00000054526	4.57669929	1.24E-10	2.12E-09
ENSECAG00000020526	4.56586105	0.00744112	0.01814088
ENSECAG00000049353	4.54533651	1.97E-09	2.66E-08
ENSECAG00000040200	4.53142631	3.29E-09	4.18E-08
ENSECAG00000055019	4.52855378	0.00017842	0.00069688
ENSECAG00000046675	4.49797035	0.00614568	0.01539245
ENSECAG00000013106	4.49217811	4.80E-10	7.26E-09
ENSECAG00000020494	4.48975025	1.24E-20	1.08E-18
ENSECAG00000038266	4.45896672	0.00056053	0.00189839
ENSECAG00000041814	4.45171192	7.00E-07	5.05E-06
ENSECAG00000056423	4.44607731	0.0077379	0.01876003
ENSECAG00000012011	4.41891341	1.20E-25	2.28E-23
ENSECAG00000021886	4.41191775	8.86E-17	4.27E-15
ENSECAG00000013453	4.39907095	0.00036213	0.0012964
ENSECAG00000057078	4.38140341	5.52E-11	1.01E-09
ENSECAG00000014725	4.3780557	0.00084749	0.00273474
ENSECAG00000036646	4.37736618	1.04E-13	3.01E-12
ENSECAG00000044204	4.34935379	1.47E-09	2.03E-08

ENSECAG00000016169	4.34656109	9.05E-10	1.30E-08
ENSECAG00000045275	4.34540458	0.00010195	0.00042845
ENSECAG00000048350	4.33430177	0.00106256	0.00332963
ENSECAG00000030884	4.33342799	0.0058584	0.01478061
ENSECAG00000027765	4.33157531	1.24E-11	2.54E-10
ENSECAG00000051525	4.30968518	0.01850101	0.03959996
ENSECAG00000031150	4.30855891	0.00078437	0.00255279
ENSECAG00000020940	4.27292235	2.33E-11	4.53E-10
ENSECAG00000000203	4.26090551	5.58E-07	4.14E-06
ENSECAG00000013243	4.23205674	6.55E-28	1.64E-25
ENSECAG00000006917	4.21627534	3.93E-35	2.44E-32
ENSECAG00000030430	4.2146631	5.80E-07	4.28E-06
ENSECAG00000018248	4.19697218	3.16E-44	6.43E-41
ENSECAG00000056552	4.17035753	4.89E-09	6.00E-08
ENSECAG00000053458	4.15803017	8.15E-13	2.04E-11
ENSECAG00000002782	4.15776369	3.25E-09	4.14E-08
ENSECAG00000051570	4.14937286	2.21E-06	1.41E-05
ENSECAG00000058560	4.1356738	7.02E-14	2.13E-12
ENSECAG00000021547	4.12524167	0.00015995	0.00063351
ENSECAG00000048778	4.11818773	0.00016829	0.0006623
ENSECAG00000047720	4.09245616	2.58E-10	4.12E-09
ENSECAG00000058459	4.08775765	2.05E-05	0.00010236
ENSECAG00000023888	4.08394577	8.48E-24	1.20E-21
ENSECAG00000047160	4.0743179	4.26E-07	3.24E-06
ENSECAG00000016797	4.07174706	1.61E-09	2.21E-08
ENSECAG00000056976	4.07154141	1.36E-07	1.17E-06
ENSECAG00000049100	4.06193758	3.39E-05	0.00016051
ENSECAG00000036051	4.05287484	7.43E-07	5.33E-06
ENSECAG00000055603	4.04806052	2.55E-16	1.14E-14
ENSECAG00000022263	4.04733558	7.30E-24	1.05E-21
ENSECAG00000035666	4.02228361	0.00048988	0.00168464
ENSECAG00000037840	4.01847563	1.20E-07	1.05E-06
ENSECAG00000004572	4.00106839	7.81E-25	1.27E-22
ENSECAG00000009252	3.99481563	3.55E-06	2.15E-05
ENSECAG00000018008	3.97353535	2.70E-09	3.52E-08
ENSECAG00000050609	3.97253115	8.08E-10	1.16E-08
ENSECAG00000018691	3.95859802	1.29E-06	8.73E-06
ENSECAG00000041160	3.94999349	3.70E-05	0.00017357
ENSECAG00000058229	3.94289456	6.82E-09	8.08E-08
ENSECAG00000029191	3.92652387	0.00874482	0.02085059
ENSECAG00000022062	3.92565303	5.53E-21	4.98E-19
ENSECAG00000010059	3.92367345	1.24E-19	9.76E-18
ENSECAG00000030285	3.90714381	1.46E-05	7.58E-05

ENSECAG00000053220	3.90501261	3.54E-06	2.14E-05
ENSECAG00000053132	3.85830257	3.01E-06	1.86E-05
ENSECAG00000030913	3.85577392	4.12E-08	4.00E-07
ENSECAG00000028320	3.85372945	7.23E-09	8.52E-08
ENSECAG00000021008	3.84150647	7.51E-09	8.80E-08
ENSECAG00000032305	3.83153778	0.00046275	0.00160544
ENSECAG00000033117	3.82756568	0.00103361	0.00325449
ENSECAG00000023485	3.82280973	0.00556532	0.01413855
ENSECAG00000051854	3.81567322	0.00013501	0.00054537
ENSECAG00000013318	3.8107251	1.68E-05	8.57E-05
ENSECAG00000006777	3.80436614	1.06E-06	7.37E-06
ENSECAG00000046004	3.78846876	0.00354248	0.00954775
ENSECAG00000014254	3.78813782	3.46E-09	4.38E-08
ENSECAG00000043977	3.78671369	1.58E-05	8.13E-05
ENSECAG00000045529	3.75896432	2.45E-06	1.55E-05
ENSECAG00000037578	3.75181111	3.32E-11	6.30E-10
ENSECAG00000024042	3.74932288	2.35E-08	2.44E-07
ENSECAG00000000041	3.73659602	4.49E-09	5.58E-08
ENSECAG00000011627	3.73600005	7.30E-07	5.24E-06
ENSECAG00000045952	3.73364907	3.99E-09	4.99E-08
ENSECAG00000057962	3.72970943	0.0091431	0.02164089
ENSECAG00000056980	3.72727456	0.00305248	0.00837147
ENSECAG00000052918	3.72454822	0.00011048	0.00046024
ENSECAG00000056416	3.71032395	2.10E-07	1.73E-06
ENSECAG00000020251	3.70225544	1.78E-68	3.97E-64
ENSECAG00000018134	3.69558845	5.36E-05	0.00024219
ENSECAG00000058995	3.68507397	0.00029718	0.00109187
ENSECAG00000022352	3.68391449	1.83E-10	3.02E-09
ENSECAG00000055762	3.68017537	3.53E-06	2.14E-05
ENSECAG00000043288	3.65779235	2.12E-09	2.83E-08
ENSECAG00000044160	3.65767697	0.00367292	0.00985886
ENSECAG00000035913	3.64333745	0.00015284	0.0006088
ENSECAG00000037583	3.64197084	0.00813357	0.0196129
ENSECAG00000019682	3.63562613	1.29E-05	6.76E-05
ENSECAG00000012744	3.62285357	4.10E-13	1.09E-11
ENSECAG00000054134	3.62083491	2.30E-05	0.00011372
ENSECAG00000021205	3.61881577	5.32E-08	5.03E-07
ENSECAG00000044666	3.61619573	0.01883836	0.0402065
ENSECAG00000009930	3.61567674	3.18E-13	8.59E-12
ENSECAG00000059685	3.60743531	0.00499065	0.01286455
ENSECAG00000005327	3.59696758	0.00011566	0.00047789
ENSECAG00000013526	3.59691853	1.08E-05	5.78E-05
ENSECAG00000057388	3.59490132	5.05E-05	0.00022954

ENSECAG00000055308	3.58763417	0.00122318	0.00377009
ENSECAG00000044559	3.58727196	5.60E-07	4.15E-06
ENSECAG00000036894	3.58532412	0.00020847	0.00079865
ENSECAG00000045808	3.58438656	1.97E-05	9.92E-05
ENSECAG00000035279	3.5825048	2.97E-31	1.21E-28
ENSECAG00000054041	3.58245603	0.00910612	0.02157394
ENSECAG00000014774	3.57691049	2.27E-29	6.68E-27
ENSECAG00000042387	3.57048329	3.36E-05	0.00015942
ENSECAG00000035175	3.56724172	0.00012037	0.0004948
ENSECAG00000050948	3.56572649	7.92E-14	2.37E-12
ENSECAG00000004716	3.56507047	2.28E-09	3.04E-08
ENSECAG00000047377	3.56243593	8.93E-35	5.39E-32
ENSECAG00000036940	3.55901999	0.01776451	0.03825438
ENSECAG00000015770	3.55604224	1.64E-06	1.08E-05
ENSECAG00000025610	3.54392692	0.00626551	0.01566446
ENSECAG00000054016	3.54345507	0.00237264	0.00674612
ENSECAG00000036372	3.54138904	4.06E-07	3.11E-06
ENSECAG00000035701	3.5403681	0.00014872	0.00059495
ENSECAG00000015083	3.53709896	9.37E-08	8.35E-07
ENSECAG00000004217	3.53550473	0.01390801	0.03099824
ENSECAG00000032386	3.53255136	0.00240123	0.00681147
ENSECAG00000033892	3.53053144	6.02E-19	4.24E-17
ENSECAG00000049110	3.51454913	0.02053518	0.04329048
ENSECAG00000026037	3.50229302	4.53E-08	4.36E-07
ENSECAG00000012104	3.49029169	1.21E-06	8.26E-06
ENSECAG00000043937	3.48851269	3.35E-10	5.22E-09
ENSECAG00000014772	3.48757146	2.43E-09	3.20E-08
ENSECAG00000019243	3.48745304	5.40E-11	9.87E-10
ENSECAG00000018168	3.46886983	3.35E-19	2.45E-17
ENSECAG00000013100	3.46528177	1.60E-17	8.92E-16
ENSECAG00000059626	3.45470454	3.94E-06	2.35E-05
ENSECAG00000044773	3.44094586	0.00895506	0.02127018
ENSECAG00000049680	3.42737579	1.95E-06	1.26E-05
ENSECAG00000045914	3.42037712	6.35E-07	4.63E-06
ENSECAG00000054248	3.41947329	0.00302947	0.00831653
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ENSECAG00000029750	3.41066154	0.00032571	0.00118424
ENSECAG00000040478	3.40820585	2.62E-09	3.43E-08
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ENSECAG00000016927	3.39978568	2.27E-21	2.19E-19
ENSECAG00000012212	3.39633818	1.93E-07	1.61E-06
ENSECAG00000056687	3.39041995	1.77E-05	8.98E-05
ENSECAG00000053341	3.39037888	1.16E-12	2.84E-11

ENSECAG00000024769	3.39019219	1.26E-09	1.75E-08
ENSECAG00000049382	3.38920554	3.95E-22	4.27E-20
ENSECAG00000019514	3.37979071	9.15E-07	6.42E-06
ENSECAG00000045239	3.37543419	0.00472987	0.01228996
ENSECAG00000054486	3.37388479	2.45E-05	0.00012026
ENSECAG00000049507	3.37060984	0.00030588	0.00111998
ENSECAG00000023992	3.36971701	6.48E-08	6.01E-07
ENSECAG00000032667	3.36909418	2.22E-05	0.00010978
ENSECAG00000030646	3.36660751	7.96E-10	1.15E-08
ENSECAG00000016086	3.34861303	0.00084971	0.0027411
ENSECAG00000046756	3.34657698	0.00025953	0.00097113
ENSECAG00000040205	3.33977395	0.0017057	0.00505043
ENSECAG00000035336	3.33753696	1.27E-05	6.69E-05
ENSECAG00000053920	3.33232476	0.00901827	0.02140212
ENSECAG00000032431	3.33060054	0.00141772	0.00429447
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ENSECAG00000044804	3.31870085	2.38E-13	6.57E-12
ENSECAG00000017662	3.30587395	2.41E-06	1.53E-05
ENSECAG00000034472	3.30489276	2.08E-08	2.19E-07
ENSECAG00000049130	3.29862561	9.17E-09	1.05E-07
ENSECAG00000014346	3.29644989	4.50E-06	2.64E-05
ENSECAG00000021196	3.29463699	6.45E-07	4.70E-06
ENSECAG00000002430	3.29031057	1.97E-10	3.23E-09
ENSECAG00000049873	3.28565218	3.12E-06	1.92E-05
ENSECAG00000046900	3.273592	0.00029613	0.0010889
ENSECAG00000058617	3.27190354	7.49E-05	0.00032677
ENSECAG00000020869	3.26117379	0.00015196	0.00060552
ENSECAG00000006830	3.25785914	1.88E-05	9.51E-05
ENSECAG00000026349	3.25367211	0.00612541	0.01535597
ENSECAG00000008483	3.25280017	5.68E-29	1.61E-26
ENSECAG00000054004	3.24481133	0.0095442	0.02245943
ENSECAG00000042865	3.2398905	8.03E-05	0.00034709
ENSECAG00000024272	3.23331066	6.27E-05	0.00027887
ENSECAG00000056431	3.22869668	2.01E-06	1.30E-05
ENSECAG00000028035	3.22763456	0.00362158	0.00973978
ENSECAG00000003515	3.22759423	0.00013338	0.0005396
ENSECAG00000024740	3.21549229	1.72E-11	3.43E-10
ENSECAG00000016139	3.21450612	6.64E-08	6.14E-07
ENSECAG00000022142	3.21269356	2.13E-06	1.37E-05
ENSECAG00000013771	3.2124435	2.23E-12	5.16E-11
ENSECAG00000008400	3.21042287	7.63E-07	5.45E-06

ENSECAG00000051935	3.2087634	0.00132749	0.0040569
ENSECAG00000022465	3.2019088	0.00790867	0.01913461
ENSECAG00000021022	3.20129235	4.80E-40	5.64E-37
ENSECAG00000013342	3.20110899	3.30E-05	0.0001571
ENSECAG00000032894	3.19759056	6.54E-05	0.00028944
ENSECAG00000033726	3.18203619	0.00026378	0.00098488
ENSECAG00000022074	3.17915728	9.41E-08	8.37E-07
ENSECAG00000031827	3.17891301	1.18E-12	2.88E-11
ENSECAG00000012784	3.17851018	3.42E-43	5.87E-40
ENSECAG00000005343	3.17540757	2.13E-18	1.34E-16
ENSECAG00000013693	3.17140071	3.99E-09	4.99E-08
ENSECAG00000048018	3.1705798	0.0002565	0.00096068
ENSECAG00000022526	3.17042418	1.08E-05	5.76E-05
ENSECAG00000022068	3.15957255	2.74E-49	2.04E-45
ENSECAG00000044939	3.14529216	0.0095409	0.0224564
ENSECAG00000016945	3.14518567	0.02299203	0.04760306
ENSECAG00000058175	3.1443949	0.01267524	0.02858133
ENSECAG00000019781	3.12798836	6.29E-12	1.34E-10
ENSECAG00000057644	3.12767722	0.00022719	0.00086237
ENSECAG00000016101	3.12390317	1.15E-15	4.71E-14
ENSECAG00000016121	3.12370368	2.39E-23	3.05E-21
ENSECAG00000052929	3.12123695	0.00170613	0.00505104
ENSECAG00000033412	3.11797032	0.00208922	0.00603722
ENSECAG00000003452	3.11140695	7.11E-08	6.52E-07
ENSECAG00000044649	3.10629062	9.49E-21	8.39E-19
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ENSECAG00000021029	3.10579883	2.96E-12	6.64E-11
ENSECAG00000021541	3.10515046	0.00044842	0.00156153
ENSECAG00000052646	3.10425059	0.00021499	0.00082123
ENSECAG00000056387	3.09789484	0.00190942	0.00557895
ENSECAG00000059253	3.09562872	0.00038609	0.00136885
ENSECAG00000041951	3.09541449	0.00066657	0.00220997
ENSECAG00000021712	3.09119127	1.33E-22	1.50E-20
ENSECAG00000012370	3.08035154	0.00015006	0.00059922
ENSECAG00000024232	3.07500068	2.42E-05	0.00011888
ENSECAG00000055860	3.07195818	6.81E-06	3.83E-05
ENSECAG00000035315	3.07178904	0.00204929	0.0059364
ENSECAG00000047209	3.06572741	0.01017402	0.02372417
ENSECAG00000035510	3.06524955	0.00137854	0.00419341
ENSECAG00000057712	3.06117604	9.81E-18	5.65E-16
ENSECAG00000055734	3.04583313	0.02100102	0.04412684
ENSECAG00000057636	3.04044235	0.00158314	0.00472321
ENSECAG00000032630	3.03735494	0.00224554	0.00643484

ENSECAG00000045631	3.03355395	0.00281095	0.00779324
ENSECAG00000016307	3.03296515	0.00234626	0.00668316
ENSECAG00000007598	3.03229886	1.47E-11	2.97E-10
ENSECAG00000023889	3.03133587	0.00155952	0.00466161
ENSECAG00000024640	3.03100186	3.32E-05	0.00015786
ENSECAG00000038787	3.0308228	0.00581393	0.01467835
ENSECAG00000021073	3.02705077	0.00119798	0.00370008
ENSECAG00000043461	3.01769871	3.67E-16	1.60E-14
ENSECAG00000017782	3.01491949	5.94E-13	1.54E-11
ENSECAG00000000607	2.99815881	3.75E-09	4.72E-08
ENSECAG00000059292	2.99485395	0.00025047	0.00093988
ENSECAG00000023301	2.99402944	5.06E-49	2.83E-45
ENSECAG00000010953	2.99245673	3.00E-08	3.02E-07
ENSECAG00000008499	2.98901262	6.39E-25	1.06E-22
ENSECAG00000013528	2.98672406	2.72E-08	2.77E-07
ENSECAG00000048459	2.98656694	0.01344689	0.03008453
ENSECAG00000031935	2.98301379	0.006586	0.01633778
ENSECAG00000012388	2.9827232	8.00E-14	2.38E-12
ENSECAG00000043859	2.98209339	0.00016052	0.0006353
ENSECAG00000010967	2.98119139	1.25E-10	2.14E-09
ENSECAG00000030957	2.97665865	0.01339896	0.0299893
ENSECAG00000022141	2.97534295	3.08E-09	3.96E-08
ENSECAG00000009154	2.97509049	0.01496534	0.03299935
ENSECAG00000044665	2.96983066	0.00633537	0.01581967
ENSECAG00000010500	2.96964387	4.32E-16	1.84E-14
ENSECAG00000011187	2.96839563	1.62E-09	2.22E-08
ENSECAG00000056292	2.9650922	0.00010044	0.00042293
ENSECAG00000049916	2.96338642	4.56E-06	2.68E-05
ENSECAG00000020030	2.96297043	0.00880915	0.02097408
ENSECAG00000038005	2.9615255	5.10E-06	2.96E-05
ENSECAG00000046976	2.95191551	0.00048662	0.00167575
ENSECAG00000017885	2.95022715	3.46E-06	2.10E-05
ENSECAG00000048115	2.94271211	0.00432603	0.01135951
ENSECAG00000003551	2.94196684	5.18E-07	3.88E-06
ENSECAG00000024485	2.94134679	0.00042164	0.00148144
ENSECAG00000044127	2.93888239	1.70E-05	8.67E-05
ENSECAG00000004587	2.93836093	1.42E-09	1.96E-08
ENSECAG00000022463	2.93317813	0.00329265	0.00895431
ENSECAG00000012803	2.93292819	0.00394801	0.0105014
ENSECAG00000052839	2.93061376	0.0041513	0.01094701
ENSECAG00000051461	2.93028346	0.02107731	0.04426216
ENSECAG00000059993	2.92993294	0.01200497	0.02729857
ENSECAG00000022686	2.92969479	6.18E-07	4.52E-06

ENSECAG00000028496	2.92847578	0.00436358	0.01144332
ENSECAG00000024687	2.92638748	9.54E-15	3.36E-13
ENSECAG00000057903	2.92117557	6.22E-05	0.00027702
ENSECAG00000030543	2.91870892	0.01168985	0.02672094
ENSECAG00000048793	2.9187024	0.00030023	0.00110144
ENSECAG00000002264	2.91561801	0.00209411	0.00604744
ENSECAG00000055803	2.91266153	0.02424581	0.04981123
ENSECAG00000004085	2.91251332	1.26E-13	3.61E-12
ENSECAG00000034282	2.91005908	1.44E-08	1.57E-07
ENSECAG00000021361	2.908263	0.00036595	0.00130757
ENSECAG00000018964	2.9045951	0.0054667	0.01392601
ENSECAG00000056018	2.90391105	0.00196722	0.00573134
ENSECAG00000021019	2.90113696	1.21E-20	1.06E-18
ENSECAG00000007331	2.89826351	3.87E-05	0.00018118
ENSECAG00000012861	2.89689287	3.76E-17	1.95E-15
ENSECAG00000048110	2.89297103	2.25E-07	1.84E-06
ENSECAG00000051098	2.88898033	4.40E-05	0.00020301
ENSECAG00000015104	2.88709472	0.00104928	0.00329548
ENSECAG00000044851	2.88678583	1.52E-11	3.06E-10
ENSECAG00000049290	2.88503771	1.05E-14	3.66E-13
ENSECAG00000033234	2.88406346	1.92E-05	9.69E-05
ENSECAG00000031605	2.88226373	3.98E-07	3.05E-06
ENSECAG00000013806	2.88202635	5.19E-06	3.00E-05
ENSECAG00000031235	2.88095714	9.40E-06	5.11E-05
ENSECAG00000053152	2.8788457	0.00308706	0.0084466
ENSECAG00000007324	2.87802112	0.00445652	0.01165013
ENSECAG00000007077	2.87385695	1.50E-11	3.02E-10
ENSECAG00000014675	2.87293386	5.27E-21	4.76E-19
ENSECAG00000015711	2.86440424	0.00070921	0.00233232
ENSECAG00000020789	2.86386561	2.34E-05	0.00011564
ENSECAG00000052971	2.86165084	0.00642667	0.01600473
ENSECAG00000022127	2.85551315	2.63E-08	2.70E-07
ENSECAG00000004464	2.8553079	3.29E-08	3.28E-07
ENSECAG00000047602	2.85362948	0.01752742	0.03779117
ENSECAG00000037499	2.85318485	4.51E-06	2.65E-05
ENSECAG00000045488	2.85214391	0.01935511	0.04112478
ENSECAG00000055428	2.85156357	0.02255942	0.04685898
ENSECAG00000023694	2.84660303	8.75E-05	0.00037429
ENSECAG00000024563	2.84426958	2.15E-05	0.00010682
ENSECAG00000059250	2.84110875	4.15E-37	3.71E-34
ENSECAG00000048588	2.84109057	1.97E-06	1.28E-05
ENSECAG00000000296	2.84034281	4.17E-10	6.36E-09
ENSECAG00000056017	2.83969651	7.63E-07	5.45E-06

ENSECAG00000013981	2.83403533	2.20E-08	2.31E-07
ENSECAG00000045595	2.82572074	6.45E-11	1.16E-09
ENSECAG00000033332	2.82258188	2.82E-10	4.47E-09
ENSECAG00000008823	2.81992599	3.62E-21	3.39E-19
ENSECAG00000011790	2.8194991	2.82E-35	1.80E-32
ENSECAG00000058124	2.81884227	0.01191188	0.0271449
ENSECAG00000022231	2.81728472	1.04E-05	5.59E-05
ENSECAG00000006833	2.8053277	1.05E-17	6.02E-16
ENSECAG00000030839	2.80480351	0.00221817	0.00636537
ENSECAG00000020258	2.80281814	5.86E-13	1.52E-11
ENSECAG00000023120	2.79700804	7.89E-08	7.16E-07
ENSECAG00000042522	2.79374451	0.00335874	0.00912184
ENSECAG00000036983	2.78995908	7.42E-05	0.00032436
ENSECAG00000054450	2.78989316	0.00016904	0.00066505
ENSECAG00000014891	2.78650351	5.76E-08	5.39E-07
ENSECAG00000026235	2.78003432	1.41E-08	1.55E-07
ENSECAG00000042491	2.78003136	0.01223544	0.02773797
ENSECAG00000024753	2.77780742	2.02E-09	2.72E-08
ENSECAG00000052245	2.77754808	7.77E-12	1.64E-10
ENSECAG00000016631	2.77514725	0.02355367	0.04857238
ENSECAG00000038342	2.77344238	0.00011104	0.00046194
ENSECAG00000008371	2.76994745	0.00161576	0.00480769
ENSECAG00000044248	2.76803409	0.01713733	0.03705736
ENSECAG00000044632	2.7675389	0.00111696	0.00347578
ENSECAG00000024520	2.76588585	3.90E-34	2.18E-31
ENSECAG00000052405	2.76407016	8.48E-08	7.64E-07
ENSECAG00000022273	2.76234214	1.11E-06	7.63E-06
ENSECAG00000023864	2.76098184	1.28E-07	1.11E-06
ENSECAG00000023729	2.75928323	0.00034432	0.00124244
ENSECAG00000050417	2.75883706	0.00453627	0.01183924
ENSECAG00000056747	2.75782656	0.00292624	0.0080758
ENSECAG00000008092	2.75383198	6.21E-32	2.62E-29
ENSECAG00000028902	2.75266519	0.00148254	0.00446361
ENSECAG00000013951	2.75148925	1.26E-07	1.10E-06
ENSECAG00000055490	2.74968504	0.01145203	0.02626356
ENSECAG00000049678	2.74887341	0.00040101	0.00141495
ENSECAG00000058971	2.74880986	3.60E-12	7.97E-11
ENSECAG00000048839	2.74743035	0.00743967	0.01813931
ENSECAG00000028571	2.73820428	9.69E-10	1.38E-08
ENSECAG00000006998	2.737939	7.72E-09	9.02E-08
ENSECAG00000001949	2.73533329	0.0013408	0.00408974
ENSECAG00000031261	2.73243978	0.00913751	0.02163224
ENSECAG00000048539	2.7310275	0.00944786	0.02226555

ENSECAG00000004871	2.73003996	5.45E-31	2.14E-28
ENSECAG00000017084	2.72996289	5.35E-12	1.16E-10
ENSECAG00000000516	2.72821405	7.09E-37	6.10E-34
ENSECAG00000046399	2.72597928	0.00026319	0.00098301
ENSECAG00000034061	2.72537103	0.00131144	0.0040139
ENSECAG00000053532	2.72041869	0.00126177	0.003873
ENSECAG00000039532	2.7173064	0.0073481	0.01795328
ENSECAG00000052401	2.71628131	2.24E-17	1.22E-15
ENSECAG00000058040	2.71576896	7.06E-05	0.00030976
ENSECAG00000016047	2.71509022	2.44E-10	3.92E-09
ENSECAG00000054075	2.71204281	0.0014338	0.00433614
ENSECAG00000012799	2.7106876	2.75E-12	6.22E-11
ENSECAG00000023430	2.70939589	6.07E-12	1.30E-10
ENSECAG00000024172	2.70190711	0.00010683	0.00044653
ENSECAG00000009417	2.69886117	0.01870215	0.03995316
ENSECAG00000022456	2.69728628	0.0120776	0.02743303
ENSECAG00000009925	2.69705993	3.41E-11	6.45E-10
ENSECAG00000013439	2.69557309	1.52E-44	3.39E-41
ENSECAG00000044882	2.69548974	0.00295785	0.00815297
ENSECAG00000016992	2.69523041	0.00017705	0.00069252
ENSECAG00000017922	2.69104164	3.42E-17	1.79E-15
ENSECAG00000047227	2.68910556	3.25E-06	1.99E-05
ENSECAG00000011750	2.68737066	7.39E-06	4.12E-05
ENSECAG00000044703	2.68625071	1.12E-09	1.57E-08
ENSECAG00000057294	2.68389288	0.00151732	0.00455727
ENSECAG00000040919	2.68268709	0.00178117	0.00524469
ENSECAG00000020433	2.6815953	4.78E-24	7.08E-22
ENSECAG00000035439	2.67996689	5.68E-18	3.40E-16
ENSECAG00000053848	2.67990896	0.01172932	0.02679349
ENSECAG00000011893	2.67933703	4.45E-08	4.30E-07
ENSECAG00000024669	2.67743144	1.63E-22	1.80E-20
ENSECAG00000017181	2.67222811	0.00011933	0.00049116
ENSECAG00000007883	2.67080098	2.07E-10	3.37E-09
ENSECAG00000006195	2.66624449	1.96E-06	1.27E-05
ENSECAG00000015342	2.6606154	0.0117457	0.02682366
ENSECAG00000029465	2.65795562	0.00108054	0.00337707
ENSECAG00000050849	2.652983	0.00012344	0.00050528
ENSECAG00000011449	2.65238295	1.75E-08	1.88E-07
ENSECAG00000028576	2.65177566	0.00266641	0.00746007
ENSECAG00000035115	2.64890444	0.00607005	0.01523425
ENSECAG00000012252	2.64772027	3.36E-21	3.17E-19
ENSECAG00000005381	2.64615178	1.97E-16	9.03E-15
ENSECAG00000059767	2.64534567	0.00481054	0.01247335

ENSECAG00000055189	2.64446743	7.10E-09	8.38E-08
ENSECAG00000007731	2.63706024	4.76E-05	0.0002177
ENSECAG00000041909	2.63523281	0.01772935	0.03818971
ENSECAG00000024835	2.63147025	0.0023369	0.00665821
ENSECAG00000005046	2.626069	0.0178961	0.03847473
ENSECAG00000024312	2.6253638	1.14E-07	9.96E-07
ENSECAG00000036937	2.62385628	1.58E-07	1.34E-06
ENSECAG00000057404	2.62222618	0.00147199	0.00443721
ENSECAG00000006776	2.61972569	1.94E-12	4.54E-11
ENSECAG00000050133	2.61920927	1.89E-11	3.73E-10
ENSECAG00000024746	2.61361719	1.92E-17	1.05E-15
ENSECAG00000058282	2.61161554	1.21E-07	1.06E-06
ENSECAG00000028292	2.60829634	1.51E-12	3.62E-11
ENSECAG00000054009	2.60822521	1.55E-07	1.32E-06
ENSECAG00000042356	2.6074725	1.18E-15	4.83E-14
ENSECAG00000040426	2.60652817	0.01271259	0.02864821
ENSECAG00000018734	2.60614956	3.48E-05	0.0001644
ENSECAG00000054245	2.60552498	9.32E-07	6.53E-06
ENSECAG00000042282	2.60469743	1.77E-06	1.16E-05
ENSECAG00000019099	2.60037915	2.80E-09	3.64E-08
ENSECAG00000019596	2.60003037	6.61E-10	9.76E-09
ENSECAG00000018306	2.59905645	2.57E-17	1.38E-15
ENSECAG00000045659	2.59663963	0.00193584	0.00564729
ENSECAG00000016277	2.59388258	3.36E-17	1.76E-15
ENSECAG00000057783	2.59253934	1.69E-06	1.11E-05
ENSECAG00000048080	2.59216566	3.42E-30	1.11E-27
ENSECAG00000011895	2.58920247	0.00227268	0.00650426
ENSECAG00000007854	2.58858582	0.00266731	0.00746165
ENSECAG00000059379	2.58794159	0.02013845	0.0425545
ENSECAG00000024756	2.58440895	7.96E-34	4.14E-31
ENSECAG00000030025	2.58434034	2.60E-05	0.00012654
ENSECAG00000013089	2.58226099	8.22E-24	1.17E-21
ENSECAG00000022258	2.58060835	7.47E-06	4.16E-05
ENSECAG00000058013	2.57832868	7.68E-15	2.73E-13
ENSECAG00000010003	2.57698261	1.22E-23	1.66E-21
ENSECAG00000034341	2.57135437	0.01596795	0.03492072
ENSECAG00000059680	2.57031798	5.29E-05	0.0002391
ENSECAG00000057103	2.56963216	3.13E-06	1.92E-05
ENSECAG00000044406	2.56643295	0.018503	0.03960042
ENSECAG00000045225	2.56486793	2.38E-05	0.00011725
ENSECAG00000012627	2.56281371	1.28E-27	3.07E-25
ENSECAG00000019011	2.56209059	1.54E-12	3.68E-11
ENSECAG00000053529	2.561061	0.01621163	0.03536019

ENSECAG00000041410	2.55441044	2.31E-16	1.04E-14
ENSECAG00000047836	2.55331264	0.00048717	0.00167688
ENSECAG00000015270	2.5512381	2.64E-07	2.11E-06
ENSECAG00000019417	2.55115766	0.00553886	0.01408183
ENSECAG00000013712	2.54920461	0.00223743	0.00641405
ENSECAG00000057849	2.54681788	5.12E-26	1.04E-23
ENSECAG00000022919	2.54675958	6.05E-07	4.44E-06
ENSECAG00000008606	2.54429777	9.42E-07	6.60E-06
ENSECAG00000058697	2.54427117	0.0234637	0.0484226
ENSECAG00000022699	2.54183266	0.00063099	0.00210763
ENSECAG00000012814	2.53888976	0.0071173	0.01746383
ENSECAG00000022869	2.5388304	3.06E-08	3.08E-07
ENSECAG00000059312	2.53395715	1.20E-07	1.04E-06
ENSECAG00000031528	2.53364324	1.83E-06	1.20E-05
ENSECAG00000029260	2.531431	0.02244527	0.04666127
ENSECAG00000023251	2.53057794	3.45E-13	9.27E-12
ENSECAG00000028258	2.53020865	1.63E-05	8.31E-05
ENSECAG00000009226	2.52915078	9.86E-05	0.0004156
ENSECAG00000030155	2.5291312	3.13E-07	2.46E-06
ENSECAG00000035361	2.52912337	3.99E-05	0.00018611
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ENSECAG00000052745	2.51948942	0.00138651	0.00421382
ENSECAG00000024588	2.51500055	1.25E-05	6.61E-05
ENSECAG00000035500	2.51435574	0.00026795	0.00099774
ENSECAG00000059484	2.51420108	0.00015457	0.00061501
ENSECAG00000045032	2.50462325	5.21E-08	4.94E-07
ENSECAG00000011930	2.49707546	0.02055987	0.04333435
ENSECAG00000044704	2.49537983	0.01560492	0.03424408
ENSECAG00000021766	2.49235292	1.79E-17	9.92E-16
ENSECAG00000055300	2.49231953	0.00156972	0.00468881
ENSECAG00000045650	2.48834355	0.01376455	0.03071526
ENSECAG00000012887	2.48760932	0.00171267	0.00506838
ENSECAG00000024406	2.48582755	1.75E-06	1.15E-05
ENSECAG00000022398	2.48548033	4.55E-08	4.38E-07
ENSECAG00000037707	2.48318753	1.57E-09	2.15E-08
ENSECAG00000050527	2.47425957	0.01145955	0.02627759
ENSECAG00000059182	2.47169658	0.01698891	0.03677201
ENSECAG00000021617	2.47127396	9.86E-29	2.69E-26
ENSECAG00000021165	2.47060595	0.00011615	0.00047949
ENSECAG00000040740	2.46994813	7.67E-13	1.93E-11
ENSECAG00000020303	2.4692826	1.09E-29	3.39E-27
ENSECAG00000005678	2.4642055	3.62E-08	3.57E-07
ENSECAG00000019830	2.4638385	5.46E-06	3.14E-05

ENSECAG00000022279	2.46335584	8.04E-20	6.49E-18
ENSECAG00000056673	2.46308992	0.00248236	0.00700601
ENSECAG00000045796	2.46276599	0.00159798	0.0047624
ENSECAG00000016961	2.46182678	2.07E-07	1.71E-06
ENSECAG00000021052	2.45841101	1.19E-05	6.28E-05
ENSECAG00000052490	2.45752554	0.00374337	0.01002508
ENSECAG00000047862	2.45502043	0.00204372	0.00592181
ENSECAG00000050469	2.45495517	4.47E-05	0.00020614
ENSECAG00000018120	2.45429033	0.00034875	0.00125635
ENSECAG00000047363	2.45000208	0.01678721	0.03640949
ENSECAG00000056977	2.44859725	0.0100498	0.02346388
ENSECAG00000008152	2.43683316	8.44E-09	9.74E-08
ENSECAG00000018125	2.43234396	3.25E-07	2.55E-06
ENSECAG00000019398	2.4313756	1.37E-11	2.78E-10
ENSECAG00000033245	2.43056185	3.42E-10	5.32E-09
ENSECAG00000008836	2.42711741	1.57E-12	3.73E-11
ENSECAG00000052096	2.42665149	9.81E-05	0.00041387
ENSECAG00000031571	2.42021138	0.00298954	0.00822308
ENSECAG00000036612	2.4201904	0.00042612	0.00149435
ENSECAG00000047372	2.41776389	0.00263581	0.00738557
ENSECAG00000014590	2.41598258	1.27E-06	8.60E-06
ENSECAG00000009742	2.41567585	0.00432751	0.01136121
ENSECAG00000009523	2.41371043	0.00101006	0.00319202
ENSECAG00000022973	2.41348706	1.17E-05	6.21E-05
ENSECAG00000045531	2.41206489	1.37E-05	7.15E-05
ENSECAG00000004502	2.41015367	2.29E-18	1.44E-16
ENSECAG00000009887	2.40914659	3.24E-16	1.43E-14
ENSECAG00000045984	2.40884267	0.00016229	0.00064177
ENSECAG00000049587	2.40744299	0.0012234	0.00377024
ENSECAG00000052638	2.4067351	6.82E-10	1.00E-08
ENSECAG00000015947	2.40203832	0.00888995	0.02114024
ENSECAG00000043319	2.40168512	1.25E-07	1.09E-06
ENSECAG00000013874	2.39868852	1.83E-11	3.63E-10
ENSECAG00000056823	2.39821785	0.02202043	0.04591049
ENSECAG00000017347	2.3967744	3.22E-12	7.20E-11
ENSECAG00000006902	2.39265543	0.0048686	0.01259899
ENSECAG00000008352	2.39252189	4.86E-24	7.15E-22
ENSECAG00000008055	2.3910695	0.00016283	0.00064342
ENSECAG00000029466	2.38612453	6.44E-07	4.69E-06
ENSECAG00000054465	2.38588967	5.77E-06	3.31E-05
ENSECAG00000058191	2.38488667	4.71E-06	2.75E-05
ENSECAG00000014549	2.38449173	0.0118985	0.0271218
ENSECAG00000016624	2.38162738	3.10E-09	3.98E-08

ENSECAG00000020400	2.38075014	1.40E-06	9.43E-06
ENSECAG00000020639	2.38048911	7.46E-13	1.88E-11
ENSECAG00000016721	2.37834816	7.12E-13	1.81E-11
ENSECAG00000032752	2.3782603	8.25E-05	0.00035529
ENSECAG00000019098	2.37665045	4.04E-06	2.40E-05
ENSECAG00000016075	2.37484686	0.00035114	0.00126355
ENSECAG00000046266	2.37361709	2.18E-07	1.79E-06
ENSECAG00000022680	2.37061113	0.00045897	0.00159355
ENSECAG00000020170	2.36994308	3.02E-08	3.05E-07
ENSECAG00000044297	2.36866549	1.58E-06	1.05E-05
ENSECAG00000014259	2.36818532	1.21E-08	1.35E-07
ENSECAG00000010531	2.36793656	1.23E-26	2.70E-24
ENSECAG00000053020	2.36747459	0.00446278	0.01166376
ENSECAG00000006429	2.36605854	6.02E-19	4.24E-17
ENSECAG00000050145	2.36163291	8.15E-06	4.49E-05
ENSECAG00000039591	2.36143762	9.23E-05	0.00039275
ENSECAG00000052645	2.3605816	1.60E-07	1.36E-06
ENSECAG00000059423	2.35880823	0.00410777	0.01085014
ENSECAG00000048020	2.35666064	0.00241997	0.00685468
ENSECAG00000004493	2.35654108	4.16E-14	1.32E-12
ENSECAG00000046296	2.35430602	4.48E-21	4.08E-19
ENSECAG00000056686	2.35248056	0.0006885	0.00227492
ENSECAG00000052280	2.3487217	0.00765047	0.01857829
ENSECAG00000047818	2.34837711	0.00015265	0.00060814
ENSECAG00000022390	2.34558598	5.03E-07	3.78E-06
ENSECAG00000005409	2.34260636	4.35E-10	6.61E-09
ENSECAG00000019739	2.3397316	1.53E-22	1.71E-20
ENSECAG00000004548	2.33772831	4.99E-08	4.75E-07
ENSECAG00000004408	2.33752182	2.36E-14	7.70E-13
ENSECAG00000010705	2.3373121	0.01538876	0.03382954
ENSECAG00000002389	2.33427856	1.08E-06	7.46E-06
ENSECAG00000055277	2.33394993	0.00032313	0.00117562
ENSECAG00000026963	2.33276333	1.05E-06	7.25E-06
ENSECAG00000022731	2.33186446	3.76E-18	2.30E-16
ENSECAG00000036115	2.33097657	2.83E-06	1.76E-05
ENSECAG00000057115	2.32680275	0.01858632	0.03974068
ENSECAG00000055772	2.32500827	0.01580549	0.03461284
ENSECAG00000058599	2.32123005	3.78E-07	2.92E-06
ENSECAG00000043642	2.32105527	1.98E-14	6.55E-13
ENSECAG00000059420	2.31752202	0.00637066	0.01589003
ENSECAG00000021367	2.31144467	1.81E-11	3.60E-10
ENSECAG00000008913	2.31112562	1.72E-30	6.01E-28
ENSECAG00000022890	2.31017107	0.00293297	0.00809038

ENSECAG00000023405	2.30874935	3.46E-14	1.11E-12
ENSECAG00000020937	2.30820548	6.99E-07	5.05E-06
ENSECAG00000023442	2.30583004	1.65E-07	1.39E-06
ENSECAG00000038584	2.30326661	4.06E-23	4.98E-21
ENSECAG00000007663	2.30319308	2.85E-10	4.50E-09
ENSECAG000000051452	2.30276549	0.00352552	0.00950891
ENSECAG00000003447	2.29844951	1.47E-06	9.82E-06
ENSECAG000000055251	2.29810595	2.21E-11	4.30E-10
ENSECAG00000013510	2.29755584	1.45E-20	1.25E-18
ENSECAG00000011901	2.29622429	0.00060472	0.00203026
ENSECAG00000018701	2.29580197	0.0001831	0.00071294
ENSECAG00000019061	2.29479325	2.14E-05	0.00010678
ENSECAG00000037319	2.29323038	0.00066193	0.00219655
ENSECAG00000018841	2.29173299	4.10E-06	2.44E-05
ENSECAG00000020892	2.29108609	3.59E-10	5.57E-09
ENSECAG00000024282	2.28693279	5.94E-06	3.39E-05
ENSECAG000000054591	2.28491363	4.53E-09	5.61E-08
ENSECAG00000025126	2.28289351	1.04E-17	5.94E-16
ENSECAG00000023281	2.28240161	2.82E-12	6.37E-11
ENSECAG00000021047	2.28224014	1.95E-25	3.61E-23
ENSECAG00000015500	2.28132552	1.22E-06	8.32E-06
ENSECAG00000023303	2.28061416	6.55E-09	7.81E-08
ENSECAG000000050868	2.28037035	0.0002798	0.00103517
ENSECAG000000053823	2.28024621	6.76E-05	0.00029773
ENSECAG000000053465	2.27780658	1.58E-06	1.05E-05
ENSECAG00000010356	2.27704031	7.66E-06	4.25E-05
ENSECAG000000055055	2.27507123	0.01366365	0.03050839
ENSECAG000000056991	2.27268865	0.00022828	0.00086591
ENSECAG00000010377	2.27210786	2.84E-07	2.26E-06
ENSECAG00000003201	2.27097742	1.03E-05	5.55E-05
ENSECAG000000056462	2.2691923	0.0002753	0.00102122
ENSECAG00000019036	2.26708353	6.23E-06	3.53E-05
ENSECAG00000046791	2.26604584	1.71E-05	8.69E-05
ENSECAG00000025038	2.25701803	5.23E-11	9.58E-10
ENSECAG00000018176	2.25687179	8.74E-22	9.21E-20
ENSECAG000000053421	2.2558353	4.37E-07	3.32E-06
ENSECAG00000038588	2.25573224	8.40E-16	3.48E-14
ENSECAG00000011240	2.2550747	9.05E-06	4.94E-05
ENSECAG00000046268	2.25412107	0.00505129	0.01300266
ENSECAG00000047309	2.25401684	4.22E-12	9.27E-11
ENSECAG00000019371	2.25297742	7.28E-06	4.07E-05
ENSECAG00000018674	2.2507484	0.00014148	0.00056903
ENSECAG00000010054	2.25060107	2.90E-06	1.80E-05

ENSECAG00000016866	2.24999889	2.06E-30	6.96E-28
ENSECAG00000004055	2.24884318	2.25E-22	2.46E-20
ENSECAG00000009829	2.24779672	0.00386904	0.01032576
ENSECAG00000059199	2.24775619	0.00965047	0.02267131
ENSECAG00000054832	2.24739129	1.00E-05	5.42E-05
ENSECAG00000014126	2.24721671	0.01244987	0.02814984
ENSECAG00000039848	2.24437325	8.85E-10	1.27E-08
ENSECAG00000024325	2.24069785	4.39E-07	3.34E-06
ENSECAG00000017094	2.24044766	7.99E-28	1.98E-25
ENSECAG00000024601	2.24002933	6.14E-10	9.14E-09
ENSECAG00000028822	2.2379117	7.41E-07	5.32E-06
ENSECAG00000040040	2.23517376	0.00087791	0.00282149
ENSECAG00000022737	2.23302789	1.27E-08	1.41E-07
ENSECAG00000005787	2.23266248	9.37E-08	8.35E-07
ENSECAG00000006442	2.23163344	3.68E-15	1.39E-13
ENSECAG00000016696	2.23113377	5.67E-06	3.25E-05
ENSECAG00000000931	2.22919118	7.99E-14	2.38E-12
ENSECAG00000053122	2.227934	0.00150302	0.00451855
ENSECAG00000021094	2.22770813	0.00702587	0.01727744
ENSECAG00000045550	2.22758367	1.46E-09	2.01E-08
ENSECAG00000008932	2.22741501	1.55E-06	1.03E-05
ENSECAG00000038417	2.22725033	2.46E-07	1.99E-06
ENSECAG00000002620	2.22710696	9.46E-05	0.00040068
ENSECAG00000037735	2.22699018	0.00018168	0.00070801
ENSECAG00000040464	2.22592376	7.96E-25	1.29E-22
ENSECAG00000011979	2.22501357	9.06E-19	6.14E-17
ENSECAG00000002144	2.2234069	0.00457042	0.01192002
ENSECAG00000028304	2.22257814	0.00362957	0.00975892
ENSECAG00000019838	2.22248087	4.77E-17	2.43E-15
ENSECAG00000000495	2.22233289	7.19E-26	1.40E-23
ENSECAG00000030142	2.21946876	2.21E-05	0.00010958
ENSECAG00000006175	2.21898628	0.00016427	0.00064879
ENSECAG00000002887	2.21235715	0.00040811	0.00143733
ENSECAG00000059535	2.20928081	0.00681874	0.01682549
ENSECAG00000052567	2.20399828	0.01858631	0.03974068
ENSECAG00000020808	2.20195396	1.07E-10	1.87E-09
ENSECAG00000012493	2.20035694	1.33E-10	2.25E-09
ENSECAG00000005159	2.19761403	2.78E-06	1.73E-05
ENSECAG00000035435	2.19348288	1.98E-17	1.09E-15
ENSECAG00000034729	2.19343623	0.01314173	0.02952595
ENSECAG00000012439	2.19250612	0.00467019	0.01215469
ENSECAG00000049732	2.19032277	0.02222866	0.04628731
ENSECAG00000009285	2.18967417	0.00866686	0.02070448

ENSECAG00000008871	2.18909907	9.45E-07	6.62E-06
ENSECAG00000058409	2.188878	6.37E-10	9.43E-09
ENSECAG00000030620	2.18885473	5.19E-07	3.89E-06
ENSECAG00000028008	2.18594844	1.42E-10	2.38E-09
ENSECAG00000017678	2.18572252	1.06E-19	8.42E-18
ENSECAG00000019322	2.18569273	4.69E-07	3.54E-06
ENSECAG00000040180	2.18539595	2.96E-09	3.82E-08
ENSECAG00000008358	2.18518212	1.47E-16	6.81E-15
ENSECAG00000020721	2.18460258	8.56E-12	1.79E-10
ENSECAG00000024399	2.18261849	0.00019206	0.00074277
ENSECAG00000026033	2.18246329	0.00060907	0.00204328
ENSECAG00000049075	2.18169315	0.00015876	0.00062953
ENSECAG00000008303	2.17921269	5.34E-17	2.69E-15
ENSECAG00000007668	2.17697863	2.34E-08	2.43E-07
ENSECAG00000000835	2.17583633	2.23E-12	5.15E-11
ENSECAG00000051695	2.17468317	0.0209543	0.04404108
ENSECAG00000036551	2.17302997	0.00414009	0.01092132
ENSECAG00000034447	2.1727405	1.86E-09	2.52E-08
ENSECAG00000020505	2.17209313	1.05E-14	3.66E-13
ENSECAG00000020887	2.17118161	6.25E-15	2.26E-13
ENSECAG00000005856	2.17082351	8.92E-06	4.88E-05
ENSECAG00000002370	2.17077121	1.30E-40	1.71E-37
ENSECAG00000052716	2.16955257	0.01717289	0.03712389
ENSECAG00000049780	2.16893985	0.01017805	0.0237284
ENSECAG00000009462	2.16736925	8.29E-14	2.46E-12
ENSECAG00000020778	2.16683465	1.70E-09	2.32E-08
ENSECAG00000059067	2.16583436	1.38E-06	9.31E-06
ENSECAG00000021296	2.16374175	4.76E-25	7.94E-23
ENSECAG00000009420	2.16371573	3.00E-36	2.24E-33
ENSECAG00000029588	2.16300552	2.53E-32	1.13E-29
ENSECAG00000004251	2.16234232	1.03E-30	3.85E-28
ENSECAG00000007300	2.1611318	1.71E-11	3.42E-10
ENSECAG00000054273	2.1591078	0.00049384	0.0016954
ENSECAG00000006881	2.15774478	4.29E-29	1.23E-26
ENSECAG00000036892	2.15760591	0.01017902	0.0237284
ENSECAG00000016805	2.15564374	7.30E-10	1.06E-08
ENSECAG00000057566	2.1556211	0.0021039	0.00607255
ENSECAG00000040326	2.15530433	1.48E-08	1.61E-07
ENSECAG00000019904	2.15356602	9.49E-10	1.35E-08
ENSECAG00000022791	2.15306406	5.11E-05	0.00023177
ENSECAG00000035511	2.15144217	0.01832137	0.03927189
ENSECAG00000024119	2.1502542	5.49E-18	3.30E-16
ENSECAG00000024750	2.15021704	8.82E-25	1.42E-22

ENSECAG00000023396	2.14975253	6.23E-26	1.25E-23
ENSECAG00000051167	2.14936671	0.00010636	0.00044483
ENSECAG00000000953	2.14569338	6.29E-23	7.52E-21
ENSECAG00000019436	2.14405136	1.46E-19	1.14E-17
ENSECAG00000047732	2.14336812	0.00400089	0.01061427
ENSECAG00000000320	2.14230031	4.10E-45	1.02E-41
ENSECAG00000023211	2.13949865	0.00015101	0.00060238
ENSECAG00000049953	2.13904421	0.01214248	0.02755239
ENSECAG00000032553	2.13786474	0.00757968	0.01842038
ENSECAG00000059439	2.13602629	2.90E-13	7.90E-12
ENSECAG00000010610	2.1360031	2.63E-50	2.94E-46
ENSECAG00000024371	2.13474689	6.03E-30	1.92E-27
ENSECAG00000046336	2.13376756	0.00886342	0.02108388
ENSECAG00000059701	2.13359696	4.51E-11	8.38E-10
ENSECAG00000048070	2.13331197	3.68E-07	2.85E-06
ENSECAG00000056117	2.1316824	0.00223474	0.00640799
ENSECAG00000056073	2.13032192	0.00134852	0.00410939
ENSECAG00000051445	2.13030455	1.19E-05	6.32E-05
ENSECAG00000050360	2.13024907	0.00224064	0.00642162
ENSECAG00000030367	2.12953233	0.00012689	0.00051713
ENSECAG00000004725	2.12869057	0.01077623	0.02491264
ENSECAG00000022717	2.12854424	5.70E-47	2.12E-43
ENSECAG00000000460	2.12831327	3.08E-07	2.43E-06
ENSECAG00000026858	2.12766963	2.23E-34	1.31E-31
ENSECAG00000060247	2.12711029	8.68E-17	4.19E-15
ENSECAG00000005384	2.12683541	9.34E-12	1.95E-10
ENSECAG00000024631	2.12594964	0.00010729	0.00044811
ENSECAG00000053839	2.12523231	0.00468683	0.01219372
ENSECAG00000034732	2.12492801	1.49E-10	2.49E-09
ENSECAG00000016708	2.12390881	2.38E-16	1.07E-14
ENSECAG00000016615	2.12375663	3.78E-13	1.01E-11
ENSECAG00000015848	2.12343078	0.00069748	0.00229879
ENSECAG00000008118	2.118988	4.56E-09	5.64E-08
ENSECAG00000013721	2.11828067	0.00340792	0.00923855
ENSECAG00000039891	2.11633672	5.78E-09	6.97E-08
ENSECAG00000022992	2.11212335	0.0004786	0.00165169
ENSECAG00000014728	2.11193013	5.84E-09	7.04E-08
ENSECAG00000015611	2.11080042	2.39E-08	2.48E-07
ENSECAG00000006745	2.10991674	7.55E-20	6.12E-18
ENSECAG00000039479	2.10978823	3.71E-06	2.23E-05
ENSECAG00000014703	2.10908839	1.93E-08	2.05E-07
ENSECAG00000032864	2.108713	2.16E-25	3.96E-23
ENSECAG00000016176	2.10632613	0.00011831	0.0004876

ENSECAG00000015125	2.10627769	2.10E-09	2.82E-08
ENSECAG00000032598	2.10532601	2.07E-07	1.71E-06
ENSECAG00000032595	2.10353596	6.96E-10	1.02E-08
ENSECAG00000008333	2.10338272	1.20E-11	2.45E-10
ENSECAG00000049053	2.10283598	0.01899324	0.04048678
ENSECAG00000019709	2.10211797	1.20E-40	1.67E-37
ENSECAG00000024993	2.10144909	2.03E-07	1.68E-06
ENSECAG00000002855	2.09863872	3.65E-23	4.56E-21
ENSECAG00000018935	2.09625609	1.16E-09	1.62E-08
ENSECAG00000020731	2.09529519	4.85E-18	2.92E-16
ENSECAG00000012716	2.09490663	4.10E-12	9.02E-11
ENSECAG00000011414	2.09274961	0.00498171	0.01284574
ENSECAG00000045119	2.089979	0.00949912	0.02237456
ENSECAG00000049949	2.08959082	0.00183879	0.0053973
ENSECAG00000033140	2.08781894	0.01475361	0.03259681
ENSECAG00000010182	2.08699947	9.24E-11	1.62E-09
ENSECAG00000006765	2.08662357	2.08E-24	3.23E-22
ENSECAG00000047128	2.0841855	0.00131865	0.00403426
ENSECAG00000018619	2.08364079	1.98E-11	3.89E-10
ENSECAG00000007338	2.08284411	4.56E-33	2.21E-30
ENSECAG00000006296	2.08267956	0.00011078	0.00046123
ENSECAG00000014155	2.08181166	0.00276975	0.00769716
ENSECAG00000010721	2.08176839	7.57E-07	5.42E-06
ENSECAG00000022828	2.08005784	0.02413535	0.04962081
ENSECAG00000018229	2.0786038	2.41E-33	1.19E-30
ENSECAG00000001900	2.07839813	5.15E-13	1.34E-11
ENSECAG00000053682	2.07666728	0.00089792	0.0028767
ENSECAG00000012185	2.07399202	0.00034683	0.00125024
ENSECAG00000007210	2.07204814	6.87E-06	3.86E-05
ENSECAG00000053300	2.06996567	3.12E-11	5.95E-10
ENSECAG00000057979	2.0697513	0.00012556	0.00051239
ENSECAG00000030224	2.06958281	4.93E-05	0.00022493
ENSECAG00000009011	2.06872451	1.03E-10	1.79E-09
ENSECAG00000024715	2.06657655	2.58E-06	1.63E-05
ENSECAG00000021211	2.06547285	9.00E-14	2.66E-12
ENSECAG00000052959	2.06457076	0.00458346	0.01194984
ENSECAG00000056165	2.06359644	2.44E-09	3.22E-08
ENSECAG00000005475	2.06306595	0.00925639	0.02186272
ENSECAG00000024683	2.06116267	4.46E-22	4.79E-20
ENSECAG00000034040	2.06024598	0.003218	0.00877158
ENSECAG00000010553	2.05934796	2.53E-05	0.00012386
ENSECAG00000048317	2.05687216	0.01118216	0.02571806
ENSECAG00000046289	2.05625014	5.02E-09	6.15E-08

ENSECAG00000059212	2.05527876	0.01149922	0.02634355
ENSECAG00000023839	2.05122529	3.99E-07	3.06E-06
ENSECAG00000058403	2.05099883	9.43E-09	1.08E-07
ENSECAG00000024757	2.04943011	3.04E-05	0.0001455
ENSECAG00000035101	2.04923846	2.44E-07	1.97E-06
ENSECAG00000012650	2.04840687	0.00066045	0.00219197
ENSECAG00000045798	2.0469899	7.99E-07	5.68E-06
ENSECAG00000002984	2.04551054	8.13E-05	0.00035085
ENSECAG00000000106	2.04496478	4.97E-38	5.05E-35
ENSECAG00000009256	2.04448695	1.32E-05	6.92E-05
ENSECAG00000018760	2.04388342	2.00E-26	4.10E-24
ENSECAG00000010617	2.0436769	4.93E-19	3.54E-17
ENSECAG00000011271	2.04130013	1.55E-06	1.03E-05
ENSECAG00000009218	2.03529812	0.00647491	0.0161069
ENSECAG00000000593	2.03314789	0.00575577	0.01454465
ENSECAG00000050529	2.03272428	1.03E-23	1.43E-21
ENSECAG00000020341	2.03268176	0.01253537	0.02829735
ENSECAG00000020148	2.03260353	2.60E-31	1.08E-28
ENSECAG00000034307	2.0313099	1.05E-05	5.65E-05
ENSECAG00000050367	2.03020052	0.00963506	0.02264288
ENSECAG00000014945	2.02942861	0.00049513	0.00169929
ENSECAG00000048094	2.02867779	0.00110576	0.00344747
ENSECAG00000023325	2.02471564	9.58E-15	3.37E-13
ENSECAG00000022345	2.02208978	1.35E-23	1.81E-21
ENSECAG00000020122	2.02179655	0.00036809	0.00131353
ENSECAG00000015898	2.02051138	7.92E-19	5.45E-17
ENSECAG00000056876	2.01993364	1.75E-05	8.90E-05
ENSECAG00000000982	2.01901941	1.70E-11	3.41E-10
ENSECAG00000057145	2.01796284	0.00808242	0.0195085
ENSECAG00000009515	2.01667064	3.16E-11	6.03E-10
ENSECAG00000017267	2.01659714	0.00016876	0.00066405
ENSECAG00000051551	2.01463822	0.000899	0.00287972
ENSECAG00000009542	2.01304811	7.96E-05	0.00034473
ENSECAG00000011948	2.01276171	6.57E-05	0.00029044
ENSECAG00000000932	2.0118766	0.00843565	0.02023153
ENSECAG00000020003	2.01167279	1.64E-05	8.37E-05
ENSECAG00000055292	2.01154642	0.01783532	0.03837358
ENSECAG00000023330	2.01079711	2.49E-07	2.01E-06
ENSECAG00000033164	2.01026792	0.00046243	0.00160456
ENSECAG00000058771	2.00751984	0.00091632	0.00292724
ENSECAG00000059877	2.00719806	0.00091413	0.00292149
ENSECAG00000006409	2.00595859	6.02E-44	1.12E-40
ENSECAG00000058331	2.00582949	2.69E-06	1.68E-05

ENSECAG00000005713	2.0052972	0.00251568	0.00709074
ENSECAG00000017607	2.00517628	0.00018649	0.00072361
ENSECAG00000012496	2.00503016	1.44E-24	2.29E-22
ENSECAG00000039151	2.00161003	0.00362271	0.00974165
ENSECAG00000001454	2.00115119	2.27E-06	1.45E-05
ENSECAG00000055668	2.00097232	0.00154137	0.00461771
ENSECAG00000012334	2.00041754	1.48E-14	4.98E-13
ENSECAG00000000775	2.00015638	3.99E-10	6.12E-09
ENSECAG00000014638	1.99749809	3.28E-05	0.00015613
ENSECAG00000012423	1.997396	7.37E-05	0.0003221
ENSECAG00000010512	1.99724671	6.98E-17	3.44E-15
ENSECAG00000032213	1.99719613	1.27E-06	8.63E-06
ENSECAG00000017037	1.99717389	3.22E-05	0.00015331
ENSECAG00000022842	1.99477042	2.12E-13	5.89E-12
ENSECAG00000019691	1.99219591	8.66E-12	1.81E-10
ENSECAG00000054598	1.99099426	2.96E-11	5.67E-10
ENSECAG00000044148	1.99051758	2.02E-09	2.72E-08
ENSECAG00000025041	1.98955219	1.15E-07	1.01E-06
ENSECAG00000024997	1.98929747	3.17E-14	1.02E-12
ENSECAG00000018717	1.98771763	9.90E-09	1.12E-07
ENSECAG00000010619	1.98743469	0.00031286	0.00114259
ENSECAG00000015766	1.98655641	0.00113251	0.00351829
ENSECAG00000055523	1.9847285	1.66E-30	5.88E-28
ENSECAG00000019324	1.98250938	0.00346762	0.00936856
ENSECAG00000037752	1.98075829	0.01725113	0.03726377
ENSECAG00000055025	1.98001036	0.01654686	0.03595432
ENSECAG00000016586	1.97930473	2.85E-24	4.36E-22
ENSECAG00000017606	1.97845109	2.60E-29	7.55E-27
ENSECAG00000058146	1.97730892	0.00474849	0.01232831
ENSECAG00000056575	1.97722347	0.00087693	0.00281875
ENSECAG00000035050	1.97709538	0.00396782	0.01054906
ENSECAG00000016940	1.97534112	1.24E-20	1.08E-18
ENSECAG00000057238	1.97517561	0.0241653	0.04965954
ENSECAG00000019138	1.97494003	0.01579656	0.03459667
ENSECAG00000021689	1.97379836	9.11E-06	4.97E-05
ENSECAG00000036967	1.97378275	0.02057416	0.04335631
ENSECAG00000049195	1.97090957	0.00085059	0.00274315
ENSECAG00000013415	1.96971693	6.65E-05	0.00029325
ENSECAG00000011294	1.96867149	0.0023737	0.00674758
ENSECAG00000008727	1.96784481	0.00085776	0.0027631
ENSECAG00000047726	1.9667902	0.00267814	0.0074854
ENSECAG00000016408	1.96616077	0.00233602	0.00665685
ENSECAG00000014338	1.9659856	0.00233613	0.00665685

ENSECAG00000011731	1.96579599	0.02271908	0.0471384
ENSECAG00000006306	1.96469137	6.76E-11	1.21E-09
ENSECAG00000015487	1.96436534	1.72E-07	1.45E-06
ENSECAG00000038446	1.96249497	5.79E-11	1.05E-09
ENSECAG00000014056	1.9619172	0.00018818	0.00072892
ENSECAG00000049482	1.96182136	1.34E-07	1.16E-06
ENSECAG00000046030	1.96158374	0.00053681	0.00182692
ENSECAG00000016349	1.9603739	6.88E-05	0.00030255
ENSECAG00000017042	1.9572042	2.55E-10	4.09E-09
ENSECAG00000006665	1.95354454	4.72E-09	5.80E-08
ENSECAG00000014361	1.95310629	5.58E-07	4.14E-06
ENSECAG00000052587	1.95241639	0.00052262	0.00178515
ENSECAG00000021083	1.95124626	0.00172115	0.00508875
ENSECAG00000057223	1.95028439	0.00038415	0.00136302
ENSECAG00000044386	1.94896835	6.34E-05	0.00028177
ENSECAG00000017682	1.94826416	1.70E-09	2.32E-08
ENSECAG00000029368	1.9478466	3.05E-17	1.62E-15
ENSECAG00000055629	1.94667795	1.34E-05	6.99E-05
ENSECAG00000053048	1.94497855	4.17E-08	4.04E-07
ENSECAG00000025065	1.94425425	3.58E-17	1.85E-15
ENSECAG00000054180	1.93893305	0.00433306	0.01137397
ENSECAG00000019854	1.93587445	4.33E-10	6.58E-09
ENSECAG00000054981	1.9354987	0.01326296	0.02974747
ENSECAG00000048924	1.93420656	0.013268	0.0297528
ENSECAG00000050900	1.93371144	3.54E-07	2.75E-06
ENSECAG00000016110	1.93332671	1.53E-27	3.63E-25
ENSECAG00000057815	1.93145808	0.01513788	0.03333376
ENSECAG00000058518	1.93124707	0.00146002	0.00440767
ENSECAG00000013457	1.93004936	0.01508033	0.03321455
ENSECAG00000005887	1.92853147	2.73E-06	1.70E-05
ENSECAG00000035746	1.92750003	0.00019313	0.00074654
ENSECAG00000039959	1.92681011	6.54E-08	6.05E-07
ENSECAG00000046205	1.92630423	0.00033489	0.00121286
ENSECAG00000008004	1.92613597	2.82E-09	3.67E-08
ENSECAG00000053975	1.92568969	0.00287896	0.00795809
ENSECAG00000007023	1.92490073	2.38E-21	2.28E-19
ENSECAG00000016274	1.9226157	1.20E-16	5.69E-15
ENSECAG00000010702	1.92233215	0.0001436	0.00057673
ENSECAG00000038241	1.92182017	8.98E-05	0.00038323
ENSECAG00000021627	1.92125151	6.69E-14	2.04E-12
ENSECAG00000051649	1.92046186	0.00133185	0.00406746
ENSECAG00000053519	1.91989094	0.00030484	0.00111644
ENSECAG00000016328	1.91971017	6.80E-14	2.07E-12

ENSECAG00000024328	1.91561137	6.75E-18	3.98E-16
ENSECAG00000048481	1.91516295	0.00720147	0.0176413
ENSECAG00000048221	1.91362024	1.13E-05	6.00E-05
ENSECAG00000058207	1.9132755	5.44E-05	0.00024533
ENSECAG00000007681	1.91314119	9.70E-06	5.26E-05
ENSECAG00000048008	1.91304696	6.67E-09	7.92E-08
ENSECAG00000055839	1.91190545	0.0001667	0.00065675
ENSECAG00000010281	1.9110946	3.74E-05	0.00017518
ENSECAG00000023397	1.91049621	2.06E-18	1.30E-16
ENSECAG00000059747	1.91034921	0.01208152	0.02743877
ENSECAG00000057613	1.91023008	0.00039036	0.00138284
ENSECAG00000015640	1.91019412	0.00018792	0.00072806
ENSECAG00000021048	1.9100566	1.08E-22	1.24E-20
ENSECAG00000008830	1.90866964	8.33E-08	7.52E-07
ENSECAG00000052666	1.90844915	0.00077991	0.00253976
ENSECAG00000024875	1.90548831	0.0037348	0.01000333
ENSECAG00000023315	1.90545268	1.66E-14	5.57E-13
ENSECAG00000015234	1.90540392	0.00027688	0.00102624
ENSECAG00000016620	1.90536419	0.00205403	0.00594858
ENSECAG00000028786	1.90392213	0.0006045	0.00203008
ENSECAG00000053031	1.90342618	0.01531182	0.03367364
ENSECAG00000003173	1.8991901	6.50E-08	6.02E-07
ENSECAG00000005100	1.89728622	8.14E-22	8.62E-20
ENSECAG00000032952	1.89582713	6.67E-07	4.84E-06
ENSECAG00000016928	1.89505588	8.08E-05	0.00034909
ENSECAG00000036563	1.89491688	4.35E-05	0.00020115
ENSECAG00000014034	1.89388637	0.00157863	0.00471354
ENSECAG00000055343	1.89300513	6.84E-06	3.84E-05
ENSECAG00000049865	1.89032665	1.24E-05	6.55E-05
ENSECAG00000009740	1.88882469	0.00041223	0.00145065
ENSECAG00000057721	1.88675894	4.33E-07	3.29E-06
ENSECAG00000045151	1.88627945	0.00264061	0.00739809
ENSECAG00000011246	1.88463761	0.00482829	0.01251081
ENSECAG00000022446	1.88344149	2.29E-06	1.46E-05
ENSECAG00000052100	1.88309766	3.09E-05	0.00014767
ENSECAG00000018802	1.88286826	8.33E-07	5.89E-06
ENSECAG00000052935	1.88123495	0.00115507	0.0035819
ENSECAG00000057296	1.88066434	0.00795613	0.01923485
ENSECAG00000021314	1.88035367	7.21E-14	2.18E-12
ENSECAG00000003159	1.87801464	0.00052287	0.00178575
ENSECAG00000013102	1.87657744	0.00291206	0.00804163
ENSECAG00000033105	1.87506411	0.00486436	0.01259547
ENSECAG00000021600	1.87203147	1.02E-06	7.12E-06

ENSECAG00000043494	1.87075661	3.62E-07	2.81E-06
ENSECAG00000001688	1.87036533	1.97E-05	9.89E-05
ENSECAG000000021552	1.86798437	0.0005628	0.00190463
ENSECAG000000021849	1.86777892	1.04E-21	1.08E-19
ENSECAG000000053448	1.86725496	7.01E-07	5.06E-06
ENSECAG000000059849	1.86317591	5.56E-07	4.13E-06
ENSECAG000000050706	1.86248781	0.00014882	0.00059524
ENSECAG000000009387	1.86093515	9.39E-12	1.96E-10
ENSECAG000000021776	1.86070681	0.00516189	0.01325378
ENSECAG000000013547	1.8593906	7.36E-11	1.31E-09
ENSECAG000000054751	1.85891959	0.00169301	0.00501749
ENSECAG000000015483	1.85815896	0.01273803	0.02869975
ENSECAG000000018963	1.85439834	2.12E-12	4.95E-11
ENSECAG000000018067	1.85293235	1.51E-08	1.64E-07
ENSECAG000000030728	1.85255682	0.00065468	0.00217441
ENSECAG000000020045	1.85254494	5.23E-09	6.35E-08
ENSECAG000000029716	1.850768	3.15E-08	3.16E-07
ENSECAG000000019014	1.84952993	9.22E-24	1.30E-21
ENSECAG000000008848	1.84810854	4.46E-40	5.54E-37
ENSECAG000000010716	1.84673553	0.00141191	0.00427977
ENSECAG000000051123	1.84670856	0.00018068	0.00070451
ENSECAG000000020155	1.84614868	2.47E-07	1.99E-06
ENSECAG000000023071	1.84477429	3.09E-05	0.00014804
ENSECAG000000055322	1.84459094	0.00281875	0.00781197
ENSECAG000000017357	1.84346133	0.00064037	0.00213388
ENSECAG000000050019	1.84265148	6.64E-05	0.00029284
ENSECAG000000006722	1.84053971	0.00010459	0.00043884
ENSECAG000000055109	1.84031468	0.01251233	0.02825675
ENSECAG000000051512	1.83950126	0.00240944	0.00683006
ENSECAG000000037942	1.83406726	2.42E-08	2.50E-07
ENSECAG000000029616	1.832912	0.00136485	0.00415686
ENSECAG000000033857	1.83237788	4.07E-08	3.97E-07
ENSECAG000000045189	1.8322284	0.01416864	0.03147554
ENSECAG000000015807	1.83094081	5.54E-05	0.00024938
ENSECAG000000022615	1.82906241	0.02131587	0.04466239
ENSECAG000000051728	1.82689885	5.67E-07	4.19E-06
ENSECAG000000033602	1.82486646	2.66E-07	2.13E-06
ENSECAG000000004727	1.82452947	1.25E-22	1.41E-20
ENSECAG000000056825	1.82287787	0.00537641	0.01373043
ENSECAG000000009990	1.82275848	8.78E-15	3.11E-13
ENSECAG000000009864	1.8224347	3.62E-05	0.00017015
ENSECAG000000050690	1.82154338	2.40E-06	1.52E-05
ENSECAG000000013376	1.81756916	0.01158798	0.02652399

ENSECAG00000021025	1.81483524	0.00042248	0.00148369
ENSECAG00000049789	1.81455506	0.02298393	0.04759722
ENSECAG00000008923	1.81440431	1.87E-07	1.56E-06
ENSECAG00000008164	1.81416995	2.45E-35	1.61E-32
ENSECAG00000017436	1.80951992	0.02125714	0.04455606
ENSECAG00000048330	1.8082437	0.0044145	0.01155652
ENSECAG00000008814	1.80788862	0.00148704	0.00447532
ENSECAG00000017718	1.80768225	2.15E-12	4.99E-11
ENSECAG00000003758	1.80705387	1.58E-25	2.96E-23
ENSECAG00000018095	1.8069965	6.98E-19	4.86E-17
ENSECAG000000057942	1.80686468	0.00030199	0.00110737
ENSECAG000000054706	1.80629065	8.83E-06	4.84E-05
ENSECAG00000013425	1.80574879	7.56E-05	0.00032931
ENSECAG000000021206	1.79872596	0.00030858	0.00112929
ENSECAG00000014973	1.79788874	2.51E-07	2.02E-06
ENSECAG000000032416	1.79689749	0.0001136	0.00047107
ENSECAG000000031941	1.79329599	1.25E-07	1.08E-06
ENSECAG000000022641	1.79314057	1.92E-16	8.82E-15
ENSECAG00000017227	1.79307262	2.30E-14	7.52E-13
ENSECAG00000019158	1.79290967	0.00032805	0.00119081
ENSECAG000000024790	1.79277006	6.32E-08	5.87E-07
ENSECAG00000008193	1.79109638	0.00063076	0.00210718
ENSECAG00000019111	1.78989012	7.83E-08	7.12E-07
ENSECAG00000015566	1.78870873	1.58E-05	8.13E-05
ENSECAG00000010484	1.7857704	0.01365863	0.03050023
ENSECAG000000020142	1.78487459	0.00280221	0.00777093
ENSECAG000000053755	1.7827686	0.00368418	0.00988671
ENSECAG00000019266	1.7823892	5.53E-07	4.11E-06
ENSECAG00000015029	1.78230303	1.64E-08	1.77E-07
ENSECAG00000007173	1.78124291	2.75E-13	7.52E-12
ENSECAG000000024322	1.7790783	1.99E-07	1.64E-06
ENSECAG00000010840	1.7779675	1.80E-11	3.59E-10
ENSECAG000000057868	1.77747636	0.00036454	0.00130421
ENSECAG000000033327	1.77738869	7.49E-06	4.17E-05
ENSECAG000000022899	1.77595125	3.35E-08	3.34E-07
ENSECAG00000046517	1.77541992	1.81E-10	2.99E-09
ENSECAG000000021859	1.77493095	7.31E-06	4.08E-05
ENSECAG000000023348	1.77270021	1.17E-07	1.02E-06
ENSECAG00000009580	1.77264145	0.00039422	0.00139474
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ENSECAG00000010106	1.77101763	1.00E-13	2.92E-12
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ENSECAG00000010085	1.76569156	1.73E-45	5.54E-42
ENSECAG00000021387	1.76532126	0.01052841	0.0244358
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ENSECAG00000013081	1.7651385	0.01766627	0.03806484
ENSECAG00000006500	1.76477428	9.19E-05	0.00039112
ENSECAG00000016060	1.76385356	1.60E-19	1.24E-17
ENSECAG00000046173	1.76244733	0.02333651	0.04820018
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ENSECAG00000002797	1.76155384	0.00650765	0.01617214
ENSECAG00000030746	1.76108148	0.00875132	0.02086164
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ENSECAG00000008274	1.75950431	0.00571423	0.01445277
ENSECAG00000028085	1.75911184	0.00544249	0.01387676
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ENSECAG00000047540	1.75784683	0.01454967	0.03220673
ENSECAG00000017164	1.75658397	2.43E-48	1.08E-44
ENSECAG00000038727	1.75642732	0.02387505	0.04914074
ENSECAG00000056693	1.75605607	7.70E-05	0.00033476
ENSECAG00000024710	1.75576583	3.11E-36	2.24E-33
ENSECAG00000046740	1.75542897	1.71E-13	4.82E-12
ENSECAG00000050577	1.75517711	0.00048696	0.00167641
ENSECAG00000043506	1.75332498	6.23E-05	0.00027758
ENSECAG00000046676	1.75223545	0.00043379	0.00151672
ENSECAG00000016984	1.75180278	2.01E-07	1.66E-06
ENSECAG00000003789	1.7508869	1.36E-07	1.17E-06
ENSECAG00000021675	1.74959131	3.48E-17	1.82E-15
ENSECAG00000016560	1.74912006	9.85E-12	2.04E-10
ENSECAG00000010405	1.7490448	1.23E-12	3.00E-11
ENSECAG00000056156	1.74895471	0.020017	0.04234992
ENSECAG00000049322	1.74797109	6.74E-05	0.00029685
ENSECAG00000007145	1.74749556	7.09E-13	1.80E-11
ENSECAG00000018066	1.74686403	0.01167493	0.02669477
ENSECAG00000022129	1.74502634	4.25E-06	2.52E-05
ENSECAG00000022448	1.74413317	3.13E-09	4.01E-08
ENSECAG00000056923	1.74399943	0.02293114	0.04751221
ENSECAG00000005590	1.74085382	2.98E-19	2.22E-17
ENSECAG00000015276	1.73927554	1.49E-12	3.58E-11
ENSECAG00000046563	1.7370366	0.01325332	0.02973183
ENSECAG00000045394	1.73626517	1.12E-09	1.57E-08
ENSECAG00000021890	1.73519427	2.07E-10	3.37E-09
ENSECAG00000006229	1.73478388	0.0025557	0.00719173
ENSECAG00000038947	1.73473519	2.58E-05	0.00012578
ENSECAG00000035229	1.73390995	2.12E-21	2.08E-19

ENSECAG00000056835	1.73206772	8.06E-07	5.72E-06
ENSECAG00000008409	1.730944	6.40E-26	1.27E-23
ENSECAG00000050319	1.73002166	5.70E-09	6.89E-08
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ENSECAG00000045543	1.72564531	0.00309974	0.00847509
ENSECAG00000039579	1.72547136	0.00180714	0.00531277
ENSECAG00000002597	1.72426106	5.16E-09	6.30E-08
ENSECAG00000017746	1.72348341	5.63E-20	4.66E-18
ENSECAG00000035853	1.72320977	1.18E-05	6.25E-05
ENSECAG00000050008	1.72299753	1.02E-05	5.50E-05
ENSECAG00000003981	1.72295266	6.79E-09	8.05E-08
ENSECAG00000006249	1.72288442	6.30E-12	1.34E-10
ENSECAG00000036593	1.7223215	8.23E-08	7.44E-07
ENSECAG00000050420	1.72161998	0.01458772	0.03228456
ENSECAG00000004240	1.72100825	8.89E-16	3.67E-14
ENSECAG00000020351	1.71915433	2.37E-34	1.36E-31
ENSECAG00000003105	1.71887678	0.00303066	0.00831879
ENSECAG00000056841	1.71833511	0.00138211	0.00420256
ENSECAG00000014250	1.71712687	1.96E-06	1.27E-05
ENSECAG00000008351	1.71586733	2.51E-13	6.93E-12
ENSECAG00000005682	1.71541939	0.00068875	0.00227541
ENSECAG00000003748	1.71177674	1.42E-10	2.39E-09
ENSECAG00000023531	1.71170714	7.39E-12	1.57E-10
ENSECAG00000012940	1.71159582	0.01385623	0.03089825
ENSECAG00000012768	1.71148419	2.51E-07	2.02E-06
ENSECAG00000015382	1.70948066	2.29E-07	1.86E-06
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ENSECAG00000031322	1.70642464	4.53E-07	3.44E-06
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ENSECAG00000000701	1.70377751	4.80E-05	0.00021926
ENSECAG00000024590	1.70247099	2.66E-16	1.19E-14
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ENSECAG00000011462	1.70105018	1.24E-13	3.57E-12
ENSECAG00000049297	1.70056541	5.32E-12	1.15E-10
ENSECAG00000014069	1.69850647	1.30E-17	7.36E-16
ENSECAG00000007706	1.69686407	1.45E-08	1.58E-07
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ENSECAG00000022126	1.69590407	4.41E-05	0.00020342

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ENSECAG00000000239	1.69217052	0.00060096	0.00201879
ENSECAG00000019934	1.69140935	8.09E-05	0.00034938
ENSECAG00000006846	1.6912538	0.00146875	0.00442924
ENSECAG00000053105	1.69073575	0.00968506	0.02273822
ENSECAG00000011314	1.68953843	5.36E-08	5.06E-07
ENSECAG00000000435	1.6891334	0.00353118	0.00952187
ENSECAG00000044368	1.68874212	2.73E-08	2.78E-07
ENSECAG00000040873	1.68571736	0.0087026	0.02076765
ENSECAG00000011938	1.68512591	1.45E-30	5.21E-28
ENSECAG00000010881	1.68445871	3.96E-11	7.42E-10
ENSECAG00000011897	1.68424433	0.00632145	0.01579019
ENSECAG00000047697	1.68397418	0.00099605	0.00315168
ENSECAG00000037706	1.68265574	6.10E-06	3.48E-05
ENSECAG00000018191	1.68233544	1.74E-11	3.48E-10
ENSECAG00000009179	1.68174463	0.00739249	0.01804199
ENSECAG00000009623	1.67957812	1.28E-05	6.71E-05
ENSECAG00000011600	1.67813377	0.00980476	0.02297821
ENSECAG00000026840	1.67565986	0.00066251	0.00219781
ENSECAG00000022047	1.67408331	0.00104863	0.00329388
ENSECAG00000025161	1.67406914	4.24E-16	1.81E-14
ENSECAG00000011588	1.67241535	1.80E-06	1.18E-05
ENSECAG00000058921	1.6715657	0.0070537	0.01733633
ENSECAG00000010783	1.66754845	2.66E-05	0.00012937
ENSECAG00000054008	1.66706816	0.00748703	0.01822894
ENSECAG00000044783	1.66656942	1.01E-14	3.51E-13
ENSECAG00000017239	1.66619957	0.00176375	0.00519957
ENSECAG00000011067	1.66551273	5.49E-07	4.09E-06
ENSECAG00000010560	1.66542578	0.01441222	0.03195312
ENSECAG00000009637	1.66524997	3.18E-08	3.18E-07
ENSECAG00000009335	1.66484979	1.23E-23	1.66E-21
ENSECAG00000004757	1.66472993	2.19E-15	8.53E-14
ENSECAG00000021370	1.6645072	1.27E-06	8.60E-06
ENSECAG00000010286	1.66438057	0.00983861	0.02304933
ENSECAG00000008564	1.66384273	3.35E-06	2.04E-05
ENSECAG00000034839	1.66338351	1.05E-13	3.04E-12
ENSECAG00000050833	1.66248851	0.01184355	0.02701949
ENSECAG00000060315	1.66161975	0.00222097	0.00637179
ENSECAG00000023596	1.661113	2.27E-07	1.85E-06
ENSECAG00000023104	1.6609177	8.87E-06	4.85E-05
ENSECAG00000015034	1.66080794	0.00026779	0.00099733
ENSECAG00000013870	1.65983757	2.58E-14	8.35E-13
ENSECAG00000010971	1.65952234	9.28E-05	0.00039426

ENSECAG00000057243	1.65784527	0.00818209	0.01971714
ENSECAG00000047858	1.6576925	0.0089022	0.02116678
ENSECAG00000056434	1.65716875	0.02113819	0.04435248
ENSECAG00000011942	1.65622288	1.22E-16	5.78E-15
ENSECAG00000003553	1.65412143	0.00118787	0.00367443
ENSECAG00000024622	1.65394369	4.06E-24	6.04E-22
ENSECAG00000056592	1.65227864	4.98E-06	2.90E-05
ENSECAG00000021815	1.65174132	7.95E-33	3.78E-30
ENSECAG00000000893	1.65124618	8.05E-13	2.02E-11
ENSECAG00000048368	1.64910394	0.00305401	0.0083736
ENSECAG00000057204	1.64908942	0.00293179	0.00808813
ENSECAG00000024810	1.64771741	8.14E-11	1.44E-09
ENSECAG00000000404	1.64745206	1.08E-21	1.12E-19
ENSECAG00000003398	1.6469172	1.88E-11	3.71E-10
ENSECAG00000018778	1.64685215	0.01453221	0.03217446
ENSECAG00000048957	1.6461022	0.02318092	0.04794085
ENSECAG00000029581	1.64562567	1.34E-18	8.75E-17
ENSECAG00000008044	1.64432955	0.00809793	0.01953751
ENSECAG00000026965	1.64177714	8.10E-09	9.40E-08
ENSECAG00000002257	1.64170169	8.28E-06	4.56E-05
ENSECAG00000056419	1.64160335	0.01090544	0.02516709
ENSECAG00000022715	1.6411223	4.83E-19	3.48E-17
ENSECAG00000017122	1.63947176	1.60E-07	1.36E-06
ENSECAG00000039746	1.63865787	0.02156438	0.0450943
ENSECAG00000058663	1.63854973	7.86E-05	0.00034083
ENSECAG00000013979	1.63848679	1.56E-15	6.30E-14
ENSECAG00000033207	1.63834404	6.12E-19	4.30E-17
ENSECAG00000053118	1.6383067	7.32E-08	6.70E-07
ENSECAG00000020320	1.63817353	2.98E-11	5.70E-10
ENSECAG00000035495	1.6378985	0.0006577	0.0021838
ENSECAG00000007527	1.63635983	2.09E-10	3.40E-09
ENSECAG00000035561	1.63402455	3.53E-05	0.00016637
ENSECAG00000014064	1.63339999	0.00658534	0.01633778
ENSECAG00000016241	1.6329437	4.93E-08	4.70E-07
ENSECAG00000041480	1.63238183	0.00016077	0.00063621
ENSECAG00000053350	1.63205292	0.00037882	0.00134707
ENSECAG00000007607	1.6318058	1.19E-14	4.07E-13
ENSECAG00000021013	1.63109812	0.00238354	0.0067678
ENSECAG00000052987	1.62959586	3.01E-11	5.75E-10
ENSECAG00000022408	1.62911513	0.00111334	0.00346645
ENSECAG00000020875	1.62767107	2.16E-15	8.46E-14
ENSECAG00000058458	1.62663671	1.35E-05	7.05E-05
ENSECAG00000055927	1.62627827	0.00017895	0.00069848

ENSECAG00000000011	1.62541929	7.28E-24	1.05E-21
ENSECAG00000036814	1.62444234	0.00234322	0.00667536
ENSECAG00000006860	1.62397284	0.0047811	0.01240576
ENSECAG00000047192	1.62392354	0.01478053	0.03264338
ENSECAG00000046387	1.62368066	0.00049349	0.00169446
ENSECAG00000023720	1.6200779	3.25E-05	0.00015489
ENSECAG00000052056	1.61844918	0.00181909	0.00534578
ENSECAG00000015238	1.6182124	6.44E-06	3.64E-05
ENSECAG00000012955	1.61810371	1.45E-05	7.52E-05
ENSECAG00000003837	1.61762712	6.85E-05	0.00030122
ENSECAG00000010888	1.61740041	0.00200778	0.00583865
ENSECAG00000012199	1.61610455	0.00017071	0.00067018
ENSECAG00000030526	1.61543472	2.34E-06	1.48E-05
ENSECAG00000029054	1.61540256	0.00457562	0.01193077
ENSECAG00000056418	1.61529051	0.00017456	0.00068338
ENSECAG00000043329	1.6146759	0.00048785	0.00167897
ENSECAG00000031395	1.61370073	2.30E-23	2.96E-21
ENSECAG00000053579	1.61316055	2.77E-05	0.00013423
ENSECAG00000006518	1.6126522	4.13E-17	2.11E-15
ENSECAG00000052301	1.61164646	0.00095884	0.00304695
ENSECAG00000009783	1.61132704	5.01E-07	3.77E-06
ENSECAG00000015385	1.61121437	9.39E-12	1.96E-10
ENSECAG00000010409	1.61010484	7.44E-09	8.73E-08
ENSECAG00000023587	1.60908274	0.00032156	0.00117137
ENSECAG00000005400	1.6088308	0.0023677	0.00673395
ENSECAG00000001407	1.60785983	3.27E-06	2.00E-05
ENSECAG00000057972	1.60408215	2.49E-13	6.86E-12
ENSECAG00000008083	1.60350976	1.72E-11	3.43E-10
ENSECAG00000009297	1.60292249	4.59E-25	7.72E-23
ENSECAG00000017707	1.60171861	2.84E-06	1.76E-05
ENSECAG00000048863	1.59956546	0.00027226	0.00101132
ENSECAG00000006273	1.59911746	1.90E-13	5.32E-12
ENSECAG00000009217	1.5987753	0.01623382	0.03539477
ENSECAG00000038389	1.59789288	0.00727907	0.01780019
ENSECAG00000049223	1.59784707	0.00268448	0.00749843
ENSECAG00000022804	1.59777832	4.72E-09	5.80E-08
ENSECAG00000053703	1.59607666	3.96E-06	2.37E-05
ENSECAG00000051636	1.59519007	0.00499664	0.0128783
ENSECAG00000045989	1.59397183	4.94E-11	9.11E-10
ENSECAG00000049375	1.59376947	5.00E-05	0.00022778
ENSECAG00000023766	1.59119135	6.56E-05	0.00029031
ENSECAG00000000384	1.5903127	1.24E-41	1.85E-38
ENSECAG00000054042	1.59003417	1.24E-08	1.38E-07

ENSECAG00000055926	1.58976942	0.01187101	0.02707108
ENSECAG00000059075	1.58948874	1.92E-09	2.60E-08
ENSECAG00000001069	1.58861777	3.37E-05	0.0001599
ENSECAG00000024205	1.58809311	3.37E-28	8.67E-26
ENSECAG00000000323	1.5837531	0.01145177	0.02626356
ENSECAG00000019037	1.5837308	5.95E-08	5.56E-07
ENSECAG00000018005	1.58359119	2.07E-10	3.37E-09
ENSECAG00000006886	1.58316756	3.32E-20	2.80E-18
ENSECAG00000027974	1.58308613	0.00966963	0.02270676
ENSECAG00000000887	1.58135958	5.95E-07	4.37E-06
ENSECAG00000007214	1.58103761	3.93E-05	0.00018369
ENSECAG00000035289	1.58094592	0.0219243	0.04572712
ENSECAG00000059071	1.58028222	0.01997803	0.04227547
ENSECAG00000023788	1.57997421	2.71E-05	0.00013154
ENSECAG00000020399	1.57891989	0.00726351	0.0177699
ENSECAG00000047371	1.57869755	6.16E-07	4.51E-06
ENSECAG00000009787	1.5779344	6.54E-06	3.70E-05
ENSECAG00000004638	1.57684419	0.0039981	0.0106083
ENSECAG00000046395	1.57645567	0.01636092	0.03563364
ENSECAG00000009707	1.57491216	5.64E-07	4.17E-06
ENSECAG00000041793	1.57488451	6.00E-06	3.42E-05
ENSECAG00000004031	1.57448413	4.67E-07	3.54E-06
ENSECAG00000010726	1.57408322	3.61E-09	4.55E-08
ENSECAG00000020280	1.57389652	1.11E-22	1.26E-20
ENSECAG00000017186	1.57361284	6.10E-05	0.00027212
ENSECAG00000015449	1.57350257	2.69E-05	0.00013073
ENSECAG00000026856	1.57326688	2.87E-06	1.78E-05
ENSECAG00000014585	1.57127813	0.00043036	0.00150615
ENSECAG00000045292	1.5711909	9.35E-09	1.07E-07
ENSECAG00000023844	1.5685298	4.85E-09	5.95E-08
ENSECAG00000013989	1.56750635	0.00553921	0.01408183
ENSECAG00000014112	1.56745339	3.88E-10	5.97E-09
ENSECAG00000018126	1.56738269	6.93E-07	5.01E-06
ENSECAG00000007279	1.56682687	0.00151267	0.00454453
ENSECAG00000021174	1.56609232	1.05E-11	2.16E-10
ENSECAG00000001129	1.56465917	1.74E-05	8.87E-05
ENSECAG00000040945	1.564249	2.07E-09	2.78E-08
ENSECAG00000031389	1.56354649	0.00350215	0.009455
ENSECAG00000030798	1.56182138	7.90E-10	1.14E-08
ENSECAG00000012166	1.56173557	4.42E-15	1.65E-13
ENSECAG00000048455	1.56162713	8.33E-08	7.52E-07
ENSECAG00000012907	1.56006808	3.65E-06	2.20E-05
ENSECAG00000000373	1.55917085	2.32E-06	1.47E-05

ENSECAG00000018784	1.55898051	1.22E-06	8.36E-06
ENSECAG00000008434	1.55820575	1.12E-10	1.94E-09
ENSECAG000000055136	1.55778737	0.02206325	0.04598688
ENSECAG00000009660	1.55631409	5.04E-11	9.28E-10
ENSECAG000000020975	1.55588085	6.47E-21	5.76E-19
ENSECAG00000000121	1.55517744	1.52E-05	7.85E-05
ENSECAG00000008795	1.55463153	0.00273476	0.00761793
ENSECAG000000014364	1.55434406	7.29E-19	5.04E-17
ENSECAG000000049095	1.55404183	8.31E-07	5.88E-06
ENSECAG000000013301	1.55400413	5.59E-08	5.25E-07
ENSECAG000000022500	1.55372411	7.09E-17	3.48E-15
ENSECAG000000012961	1.55221398	2.94E-06	1.82E-05
ENSECAG000000049434	1.5514446	6.40E-05	0.00028401
ENSECAG000000015571	1.55142841	6.23E-06	3.53E-05
ENSECAG000000009941	1.5503512	9.49E-13	2.36E-11
ENSECAG000000040253	1.5499531	0.01718389	0.03713848
ENSECAG000000058184	1.54797722	0.00268501	0.00749889
ENSECAG000000051038	1.54784714	0.01988954	0.04210817
ENSECAG000000024152	1.54719552	0.00227432	0.00650647
ENSECAG000000053747	1.54676773	6.17E-06	3.51E-05
ENSECAG000000019423	1.5466352	3.13E-14	1.01E-12
ENSECAG000000022714	1.54619959	0.0014568	0.00439854
ENSECAG000000046907	1.54397878	0.00380336	0.01016747
ENSECAG000000019446	1.54275231	3.58E-10	5.55E-09
ENSECAG000000020896	1.54142527	0.01400139	0.03117217
ENSECAG000000057368	1.54104252	0.01179813	0.02692963
ENSECAG000000036248	1.53979464	0.00139112	0.00422594
ENSECAG000000024436	1.5390363	4.58E-11	8.50E-10
ENSECAG000000019087	1.53729667	1.56E-11	3.15E-10
ENSECAG000000021255	1.53674285	3.33E-23	4.18E-21
ENSECAG000000018642	1.5365926	1.76E-15	6.97E-14
ENSECAG000000054490	1.53651148	0.00840724	0.02017919
ENSECAG000000006153	1.53535506	7.02E-05	0.00030808
ENSECAG000000050970	1.53517407	0.00017415	0.00068238
ENSECAG000000032664	1.53440599	3.11E-08	3.12E-07
ENSECAG000000015143	1.53423155	0.00976519	0.02290469
ENSECAG000000035675	1.53382785	0.01018288	0.02373243
ENSECAG000000026930	1.53380468	4.61E-34	2.51E-31
ENSECAG000000019884	1.53361141	7.13E-10	1.04E-08
ENSECAG000000044905	1.53342653	6.67E-05	0.00029414
ENSECAG000000046941	1.53220202	3.66E-06	2.21E-05
ENSECAG000000040631	1.53149111	6.84E-13	1.75E-11
ENSECAG000000043589	1.53118335	0.00203842	0.00590874

ENSECAG00000000281	1.53103954	9.77E-05	0.00041244
ENSECAG00000037002	1.5308883	5.84E-08	5.46E-07
ENSECAG00000016423	1.53040414	0.00185495	0.00543683
ENSECAG00000002868	1.52975887	0.00169822	0.00503095
ENSECAG00000035454	1.52973803	0.00285479	0.00789909
ENSECAG00000024852	1.52967265	0.00048569	0.00167384
ENSECAG00000055230	1.52899727	0.00509444	0.01310166
ENSECAG00000004837	1.52883546	0.02010288	0.04248737
ENSECAG00000016870	1.528611	2.42E-10	3.89E-09
ENSECAG00000011051	1.52750963	0.00051358	0.00175668
ENSECAG00000059949	1.52660292	1.30E-08	1.43E-07
ENSECAG00000054673	1.52654318	0.00388566	0.01036194
ENSECAG00000040083	1.52582634	0.00242123	0.00685652
ENSECAG00000058069	1.5243741	6.22E-17	3.10E-15
ENSECAG00000008087	1.52374109	3.58E-05	0.00016846
ENSECAG00000024195	1.51869411	3.05E-36	2.24E-33
ENSECAG00000003007	1.51758371	2.04E-12	4.77E-11
ENSECAG00000017501	1.51747171	3.27E-08	3.26E-07
ENSECAG00000043401	1.51681597	4.78E-07	3.60E-06
ENSECAG00000021310	1.51661521	1.51E-26	3.22E-24
ENSECAG00000046959	1.51637812	1.37E-21	1.38E-19
ENSECAG00000054666	1.51543958	0.00398747	0.01058862
ENSECAG00000029071	1.51419056	0.00083791	0.0027089
ENSECAG00000039473	1.51381257	0.00016487	0.00065091
ENSECAG00000015405	1.51346268	0.00111968	0.00348376
ENSECAG00000018261	1.51307145	0.00018393	0.00071566
ENSECAG00000020200	1.51241864	5.74E-07	4.24E-06
ENSECAG00000014771	1.51225425	1.17E-07	1.02E-06
ENSECAG00000020833	1.51155889	7.71E-07	5.50E-06
ENSECAG00000058558	1.51137894	0.00840214	0.0201691
ENSECAG00000017469	1.50955749	4.50E-15	1.68E-13
ENSECAG00000020654	1.50880297	1.89E-06	1.23E-05
ENSECAG00000018309	1.50521188	1.71E-21	1.69E-19
ENSECAG00000007149	1.50237745	3.56E-12	7.90E-11
ENSECAG00000009132	1.50233911	0.00163835	0.00486909
ENSECAG00000054107	1.50224141	2.43E-06	1.54E-05
ENSECAG00000047670	1.50077652	2.13E-05	0.0001064
ENSECAG00000015095	1.50038819	0.00121159	0.00373745
ENSECAG00000017917	1.49564966	1.32E-05	6.92E-05
ENSECAG00000002250	1.49509785	6.58E-06	3.72E-05
ENSECAG00000039559	1.49486645	0.00407218	0.01077142
ENSECAG00000008545	1.49486524	5.30E-06	3.06E-05
ENSECAG00000000178	1.49426198	9.74E-13	2.41E-11

ENSECAG00000008079	1.49383151	1.85E-07	1.55E-06
ENSECAG00000009444	1.49341366	2.90E-07	2.30E-06
ENSECAG00000006115	1.49269811	0.00095369	0.00303319
ENSECAG00000011516	1.49194784	1.55E-12	3.70E-11
ENSECAG00000014841	1.49158065	1.27E-08	1.41E-07
ENSECAG00000044529	1.49075339	3.04E-07	2.40E-06
ENSECAG00000005460	1.48994231	2.56E-20	2.17E-18
ENSECAG00000008507	1.48676918	4.88E-13	1.28E-11
ENSECAG00000056605	1.48662282	4.12E-08	4.00E-07
ENSECAG00000055283	1.48499991	0.01872808	0.04000168
ENSECAG00000023746	1.48495637	0.02136901	0.04474857
ENSECAG00000055544	1.4847695	0.00110528	0.00344663
ENSECAG00000010218	1.48424353	2.80E-13	7.66E-12
ENSECAG00000014022	1.48400445	5.44E-07	4.05E-06
ENSECAG00000051565	1.48246403	0.01633384	0.0355816
ENSECAG00000009261	1.48213287	2.93E-05	0.00014108
ENSECAG00000005559	1.48130537	0.01166407	0.02667813
ENSECAG00000021425	1.48051556	0.00326122	0.00887423
ENSECAG00000013747	1.47992612	2.18E-06	1.39E-05
ENSECAG00000020343	1.47977899	3.11E-06	1.91E-05
ENSECAG00000020847	1.47921843	2.99E-12	6.71E-11
ENSECAG00000009860	1.47841358	5.95E-09	7.15E-08
ENSECAG00000056226	1.47677954	7.47E-05	0.00032597
ENSECAG00000049199	1.47610983	1.68E-08	1.80E-07
ENSECAG00000015060	1.47566194	0.00094123	0.00299887
ENSECAG00000020711	1.47523037	3.69E-15	1.39E-13
ENSECAG00000022335	1.4747089	7.97E-18	4.64E-16
ENSECAG00000002211	1.47463708	9.30E-05	0.00039484
ENSECAG00000055511	1.47446626	6.16E-10	9.15E-09
ENSECAG00000057133	1.47164219	3.21E-07	2.52E-06
ENSECAG00000000480	1.47140354	1.49E-05	7.70E-05
ENSECAG00000047202	1.47017448	0.02229142	0.04640188
ENSECAG00000022438	1.47009143	7.55E-09	8.84E-08
ENSECAG00000045570	1.4691837	0.00065033	0.00216188
ENSECAG00000008527	1.46910818	2.35E-22	2.56E-20
ENSECAG00000012663	1.46781723	1.15E-06	7.91E-06
ENSECAG00000015439	1.46721757	5.51E-16	2.32E-14
ENSECAG00000022780	1.46713078	0.00125122	0.00384486
ENSECAG00000028692	1.46653405	0.00016296	0.00064381
ENSECAG00000019509	1.46648089	6.55E-13	1.68E-11
ENSECAG00000013937	1.46612865	0.00011091	0.00046155
ENSECAG00000020612	1.46555091	0.00486192	0.01259353
ENSECAG00000032911	1.46467426	2.29E-06	1.46E-05

ENSECAG00000015567	1.46446585	0.00062886	0.00210273
ENSECAG00000045964	1.46360809	4.22E-05	0.00019573
ENSECAG00000018902	1.463231	6.73E-23	7.99E-21
ENSECAG00000021393	1.46301924	5.65E-19	4.02E-17
ENSECAG00000013475	1.46259828	1.79E-39	2.00E-36
ENSECAG00000006485	1.46209136	1.50E-09	2.07E-08
ENSECAG00000038714	1.4613614	4.64E-09	5.72E-08
ENSECAG00000016304	1.4608839	3.82E-19	2.78E-17
ENSECAG00000009049	1.46006015	3.77E-06	2.27E-05
ENSECAG00000011101	1.45984887	5.89E-06	3.37E-05
ENSECAG00000024495	1.45952847	5.57E-17	2.80E-15
ENSECAG00000001741	1.45855476	1.98E-05	9.92E-05
ENSECAG00000039352	1.45835649	3.47E-06	2.11E-05
ENSECAG00000015012	1.45821936	1.60E-05	8.21E-05
ENSECAG00000021351	1.45805245	2.88E-07	2.29E-06
ENSECAG00000059765	1.45802259	0.00011297	0.00046895
ENSECAG00000001640	1.45590867	1.80E-06	1.18E-05
ENSECAG00000034255	1.45558651	6.65E-06	3.76E-05
ENSECAG00000051203	1.45528021	0.00406192	0.0107485
ENSECAG00000023154	1.45435701	0.00013351	0.00053998
ENSECAG00000016152	1.45416213	0.00303419	0.0083254
ENSECAG00000057052	1.45333546	1.36E-06	9.16E-06
ENSECAG00000009180	1.45230632	0.00220085	0.00632218
ENSECAG00000007388	1.45182387	0.00901569	0.02139827
ENSECAG00000051997	1.45089436	0.02176188	0.04543078
ENSECAG00000000753	1.45087017	2.29E-21	2.21E-19
ENSECAG00000012179	1.45006965	0.00013171	0.00053406
ENSECAG00000032241	1.4494449	1.86E-07	1.56E-06
ENSECAG00000016147	1.44932012	3.27E-10	5.12E-09
ENSECAG00000021423	1.44889438	3.95E-16	1.70E-14
ENSECAG00000020365	1.44888322	0.0115001	0.02634355
ENSECAG00000046787	1.44784684	0.00023657	0.00089401
ENSECAG00000022299	1.4473655	0.01214613	0.02755787
ENSECAG00000003580	1.44672831	8.54E-05	0.00036651
ENSECAG00000046748	1.44627673	0.0178728	0.03844312
ENSECAG00000051897	1.44581882	0.00565518	0.01433262
ENSECAG00000014780	1.44568031	2.07E-17	1.13E-15
ENSECAG00000019106	1.44502731	1.09E-09	1.54E-08
ENSECAG00000010934	1.44359373	0.018521	0.03962757
ENSECAG00000008623	1.44296229	1.69E-22	1.86E-20
ENSECAG00000006637	1.442712	1.23E-06	8.39E-06
ENSECAG00000007417	1.44244523	0.00037504	0.00133515
ENSECAG00000014855	1.44142458	4.07E-08	3.96E-07

ENSECAG00000017891	1.44072043	2.73E-07	2.18E-06
ENSECAG00000010184	1.44061537	0.00019239	0.00074392
ENSECAG00000045308	1.43994986	0.01339461	0.02998858
ENSECAG00000005659	1.43910957	7.91E-14	2.37E-12
ENSECAG000000055037	1.43833204	3.16E-19	2.33E-17
ENSECAG00000007474	1.43802975	1.39E-26	2.99E-24
ENSECAG000000058467	1.4370856	2.80E-05	0.00013562
ENSECAG00000042811	1.43659771	1.53E-22	1.71E-20
ENSECAG000000030580	1.43576341	1.59E-07	1.35E-06
ENSECAG000000023895	1.43459497	0.0002376	0.00089688
ENSECAG000000028590	1.43397668	8.85E-05	0.00037841
ENSECAG00000004794	1.43359566	1.12E-29	3.43E-27
ENSECAG000000010891	1.43302464	1.84E-17	1.01E-15
ENSECAG000000013188	1.43295682	0.00033809	0.00122307
ENSECAG000000055678	1.43270856	0.00401954	0.01065363
ENSECAG000000022695	1.43269426	6.98E-10	1.02E-08
ENSECAG000000048458	1.43245905	0.00171852	0.00508299
ENSECAG000000001141	1.43138558	0.00294544	0.00812077
ENSECAG000000006755	1.43137928	8.87E-11	1.56E-09
ENSECAG000000033693	1.43102089	0.0201648	0.04260614
ENSECAG000000059340	1.43097837	1.90E-06	1.23E-05
ENSECAG000000014448	1.42765092	0.00171916	0.00508423
ENSECAG000000011592	1.42648328	9.34E-07	6.54E-06
ENSECAG000000058868	1.42578857	0.01812773	0.03892027
ENSECAG000000015510	1.42571249	4.12E-08	4.00E-07
ENSECAG000000033960	1.42555168	8.75E-07	6.17E-06
ENSECAG000000055680	1.42541338	0.01045194	0.02428607
ENSECAG000000029926	1.42494064	0.00516509	0.01325742
ENSECAG000000023268	1.42403101	4.69E-05	0.00021482
ENSECAG000000008259	1.42395596	7.42E-10	1.08E-08
ENSECAG000000021961	1.42277168	0.00086124	0.0027727
ENSECAG000000000141	1.42237179	0.00295584	0.00814842
ENSECAG000000018996	1.42181704	0.00861936	0.02060862
ENSECAG000000057345	1.42114119	0.02106318	0.04423663
ENSECAG000000004296	1.42069366	0.01136316	0.026086
ENSECAG000000003532	1.41818897	7.68E-10	1.11E-08
ENSECAG000000032794	1.41796111	1.11E-05	5.93E-05
ENSECAG000000023201	1.41790842	4.09E-07	3.13E-06
ENSECAG000000004167	1.41500066	1.33E-15	5.37E-14
ENSECAG000000053885	1.41300982	0.00235048	0.00669008
ENSECAG000000047345	1.41075959	0.01117038	0.02569889
ENSECAG000000046556	1.41015925	7.30E-05	0.00031962
ENSECAG000000003260	1.40833313	7.49E-08	6.84E-07

ENSECAG00000009846	1.40802839	8.53E-14	2.53E-12
ENSECAG000000037191	1.40642224	0.00018497	0.00071885
ENSECAG000000009583	1.40632142	9.48E-34	4.81E-31
ENSECAG000000015715	1.40572033	3.91E-06	2.34E-05
ENSECAG000000047821	1.40560156	0.00483436	0.01252361
ENSECAG000000004151	1.40557759	0.01518034	0.03341409
ENSECAG000000052663	1.40551407	0.00976755	0.02290767
ENSECAG000000054007	1.40532812	7.91E-08	7.17E-07
ENSECAG000000019892	1.40470016	0.01038543	0.02415918
ENSECAG000000017419	1.40398475	6.64E-10	9.80E-09
ENSECAG000000021895	1.40386847	2.06E-12	4.80E-11
ENSECAG000000013357	1.40352658	0.00603925	0.01516837
ENSECAG000000016509	1.40187639	2.31E-12	5.31E-11
ENSECAG000000010291	1.40081533	3.89E-07	2.99E-06
ENSECAG000000042563	1.39981187	0.00746489	0.01818691
ENSECAG000000044030	1.39679218	5.13E-05	0.00023268
ENSECAG000000055513	1.39673305	9.00E-07	6.32E-06
ENSECAG000000023774	1.39584898	7.96E-30	2.51E-27
ENSECAG000000007540	1.39524401	0.00014727	0.00058989
ENSECAG000000051409	1.39474308	1.12E-13	3.23E-12
ENSECAG000000023841	1.39367514	0.00773974	0.01876041
ENSECAG000000018528	1.39354492	2.74E-30	9.14E-28
ENSECAG000000022182	1.39330369	0.00150162	0.00451497
ENSECAG000000016902	1.39235575	0.00242661	0.00687001
ENSECAG000000024986	1.39229447	1.02E-23	1.42E-21
ENSECAG000000018916	1.39201167	1.93E-05	9.74E-05
ENSECAG000000053137	1.39199924	3.12E-05	0.00014932
ENSECAG000000019161	1.39153892	0.00010616	0.00044416
ENSECAG000000014480	1.39057825	0.00011395	0.00047222
ENSECAG000000016667	1.38974754	5.56E-05	0.00025007
ENSECAG000000033923	1.38924893	2.47E-13	6.81E-12
ENSECAG000000031558	1.3887102	2.49E-05	0.00012182
ENSECAG000000046794	1.38831317	0.00081389	0.0026385
ENSECAG000000042607	1.38771104	1.51E-17	8.47E-16
ENSECAG000000006496	1.38722452	2.28E-05	0.00011256
ENSECAG000000020178	1.38454295	6.75E-10	9.94E-09
ENSECAG000000019465	1.38281836	3.42E-06	2.08E-05
ENSECAG000000022696	1.38241499	0.00400712	0.010627
ENSECAG000000015456	1.38221481	8.13E-10	1.17E-08
ENSECAG000000055190	1.3820738	0.00071977	0.0023625
ENSECAG000000017101	1.38185247	1.48E-21	1.49E-19
ENSECAG000000049762	1.38110203	0.0086189	0.02060862
ENSECAG000000045599	1.38025338	0.00072839	0.00238904

ENSECAG00000007949	1.37943284	3.78E-11	7.10E-10
ENSECAG00000002313	1.37938458	4.74E-21	4.30E-19
ENSECAG000000049930	1.3789205	0.00541193	0.01380537
ENSECAG000000049829	1.3777603	0.02004527	0.04238566
ENSECAG000000011991	1.37576663	4.37E-13	1.16E-11
ENSECAG000000023722	1.37472099	4.48E-13	1.18E-11
ENSECAG000000019948	1.37458292	0.00057257	0.00193507
ENSECAG000000012838	1.37432991	9.10E-12	1.90E-10
ENSECAG000000024529	1.37282368	2.42E-06	1.53E-05
ENSECAG000000041820	1.37280748	0.00142672	0.00431763
ENSECAG000000020973	1.37252139	0.00415369	0.01095202
ENSECAG000000021440	1.37207476	3.99E-15	1.50E-13
ENSECAG000000015984	1.37179789	5.65E-11	1.03E-09
ENSECAG000000038231	1.37123701	2.71E-06	1.70E-05
ENSECAG000000015788	1.36686464	0.00824436	0.01984366
ENSECAG000000017237	1.36685392	0.000927	0.00295754
ENSECAG000000002607	1.36608735	3.52E-18	2.17E-16
ENSECAG000000023275	1.36531789	0.00187319	0.00548459
ENSECAG000000039279	1.36492736	0.01551471	0.03406955
ENSECAG000000012441	1.36218806	0.00156854	0.00468647
ENSECAG000000004586	1.36166268	0.00401949	0.01065363
ENSECAG000000019354	1.36081041	2.33E-12	5.37E-11
ENSECAG000000023141	1.35911216	4.03E-09	5.04E-08
ENSECAG000000011249	1.3587077	1.41E-14	4.79E-13
ENSECAG000000020535	1.35719176	3.46E-12	7.70E-11
ENSECAG000000031240	1.35684186	2.40E-11	4.65E-10
ENSECAG000000011660	1.3559199	0.01720664	0.03717846
ENSECAG000000047741	1.35571024	0.01659723	0.03604642
ENSECAG000000000438	1.35511021	2.45E-18	1.53E-16
ENSECAG000000017671	1.35434035	3.88E-16	1.68E-14
ENSECAG000000015748	1.35408532	0.00094886	0.00301826
ENSECAG000000020594	1.35374612	7.33E-08	6.70E-07
ENSECAG000000013905	1.35356203	7.29E-14	2.20E-12
ENSECAG000000050973	1.35331549	0.00200226	0.00582509
ENSECAG000000020244	1.35180767	6.43E-13	1.65E-11
ENSECAG000000014896	1.35056088	5.72E-06	3.28E-05
ENSECAG000000016706	1.35006712	1.43E-05	7.43E-05
ENSECAG000000014696	1.34939478	0.0133982	0.0299893
ENSECAG000000021209	1.34924226	7.76E-13	1.95E-11
ENSECAG000000010993	1.34850402	3.61E-14	1.15E-12
ENSECAG000000050230	1.34819276	3.69E-10	5.70E-09
ENSECAG000000049764	1.34749057	6.23E-11	1.12E-09
ENSECAG000000002784	1.34694122	0.02069831	0.04357682

ENSECAG00000034840	1.34653187	4.05E-08	3.95E-07
ENSECAG00000009425	1.34562193	0.00736249	0.01798058
ENSECAG000000021429	1.34413706	0.00022561	0.0008568
ENSECAG000000011292	1.34409386	0.00281722	0.00780868
ENSECAG000000018874	1.34176897	9.90E-08	8.78E-07
ENSECAG000000031458	1.34172463	2.54E-13	6.97E-12
ENSECAG000000010914	1.3410421	1.45E-08	1.58E-07
ENSECAG000000017478	1.34100831	1.30E-06	8.84E-06
ENSECAG000000053298	1.34042349	0.00488548	0.01262969
ENSECAG000000001491	1.34016606	2.58E-19	1.93E-17
ENSECAG000000051463	1.33995247	2.62E-08	2.68E-07
ENSECAG000000036146	1.33901087	0.00198119	0.00576678
ENSECAG000000019495	1.33791422	0.00916275	0.02168051
ENSECAG000000054965	1.3378374	0.01466866	0.03244761
ENSECAG000000020767	1.33681346	0.0004271	0.00149711
ENSECAG000000042287	1.33538919	0.01671213	0.03626777
ENSECAG000000047376	1.33523619	0.00417722	0.01101016
ENSECAG000000012066	1.33511331	1.37E-08	1.50E-07
ENSECAG000000030791	1.33511081	1.73E-15	6.88E-14
ENSECAG000000022611	1.33500124	0.00632529	0.01579802
ENSECAG000000020440	1.33460805	1.54E-07	1.31E-06
ENSECAG000000045559	1.33372415	0.01319832	0.02962925
ENSECAG000000020094	1.3329883	6.52E-05	0.00028881
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ENSECAG000000043336	1.33121582	0.0011124	0.00346426
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ENSECAG000000018278	1.32981939	2.63E-37	2.45E-34
ENSECAG000000051713	1.3288739	0.00029005	0.00106902
ENSECAG000000028937	1.32814138	1.40E-06	9.40E-06
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ENSECAG000000014124	1.32806991	7.57E-14	2.27E-12
ENSECAG000000001634	1.32605363	7.18E-13	1.82E-11
ENSECAG000000053444	1.3252629	0.00382461	0.01021572
ENSECAG000000038912	1.32459019	8.22E-17	3.98E-15
ENSECAG000000060081	1.32171678	0.01349523	0.03017153
ENSECAG000000047679	1.32004996	1.30E-05	6.83E-05
ENSECAG000000011406	1.31848692	6.02E-07	4.42E-06
ENSECAG000000010207	1.31838008	0.0136563	0.03049808
ENSECAG000000024991	1.31813708	7.88E-11	1.40E-09
ENSECAG000000009296	1.31785427	8.61E-05	0.00036902
ENSECAG000000050998	1.31765894	7.97E-06	4.40E-05
ENSECAG000000037937	1.31646162	0.00028334	0.00104705
ENSECAG000000011392	1.31602396	0.0204391	0.04312468

ENSECAG00000007722	1.31460912	0.01314702	0.0295342
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ENSECAG00000057790	1.30528385	6.15E-07	4.50E-06
ENSECAG00000017907	1.30486948	5.12E-12	1.11E-10
ENSECAG00000058986	1.30394894	0.02078977	0.04373642
ENSECAG00000020252	1.30281408	7.92E-34	4.14E-31
ENSECAG00000058674	1.30203337	0.00049985	0.00171313
ENSECAG00000010263	1.30147818	0.00156496	0.00467647
ENSECAG00000000343	1.30142121	1.23E-05	6.49E-05
ENSECAG00000003816	1.30123906	0.00421772	0.01110121
ENSECAG00000013724	1.30112531	2.30E-08	2.40E-07
ENSECAG00000018927	1.3008664	0.00036861	0.00131483
ENSECAG00000008723	1.29932662	0.0001548	0.00061574
ENSECAG00000049167	1.29851219	0.00671212	0.01660456
ENSECAG00000019217	1.298069	6.86E-17	3.39E-15
ENSECAG00000038020	1.29759261	0.00034996	0.0012599
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ENSECAG00000024363	1.29363961	1.80E-19	1.39E-17
ENSECAG00000020007	1.29359338	1.01E-06	7.03E-06
ENSECAG00000001114	1.29311504	0.0006319	0.00211036
ENSECAG00000034424	1.29279029	0.00012686	0.00051711
ENSECAG00000021913	1.29202911	4.68E-18	2.82E-16
ENSECAG00000019222	1.29161555	0.00036062	0.00129183
ENSECAG00000002943	1.29085874	5.84E-09	7.04E-08
ENSECAG00000039032	1.28874126	4.58E-06	2.68E-05
ENSECAG00000006964	1.28830912	1.35E-21	1.38E-19
ENSECAG00000003473	1.28819443	6.27E-08	5.83E-07

ENSECAG00000030452	1.28797451	2.02E-08	2.14E-07
ENSECAG00000017839	1.28738556	9.34E-05	0.00039648
ENSECAG00000007317	1.28378411	0.00030912	0.00113056
ENSECAG00000002438	1.28377441	0.00217126	0.00624439
ENSECAG00000045453	1.2833228	0.01842547	0.0394647
ENSECAG00000013223	1.28299653	0.00238762	0.00677766
ENSECAG00000015115	1.28291581	1.27E-08	1.40E-07
ENSECAG00000011223	1.28247703	0.00111237	0.00346426
ENSECAG00000021844	1.28236596	0.00400979	0.01063283
ENSECAG00000045968	1.28166418	4.24E-08	4.11E-07
ENSECAG00000060333	1.28107419	0.00112331	0.00349247
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ENSECAG00000027206	1.27888747	0.01645027	0.03578936
ENSECAG00000041433	1.27841416	3.66E-11	6.90E-10
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ENSECAG00000012293	1.27737123	0.00655296	0.01627388
ENSECAG00000010698	1.27703897	0.0064809	0.01611925
ENSECAG00000055105	1.27602949	2.94E-12	6.62E-11
ENSECAG00000007589	1.27550144	3.77E-21	3.50E-19
ENSECAG00000054412	1.27521128	3.12E-06	1.92E-05
ENSECAG00000059362	1.2750809	0.01832118	0.03927189
ENSECAG00000011891	1.27382106	8.95E-07	6.29E-06
ENSECAG00000009642	1.27370202	0.00083348	0.00269731
ENSECAG00000043865	1.27245568	0.00161849	0.00481389
ENSECAG00000004386	1.27180993	3.37E-09	4.27E-08
ENSECAG00000034172	1.27160232	0.01677588	0.03638846
ENSECAG00000015846	1.27153033	2.70E-06	1.69E-05
ENSECAG00000020970	1.27149734	1.90E-07	1.58E-06
ENSECAG00000005017	1.27000185	5.61E-10	8.40E-09
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ENSECAG00000020653	1.26995186	1.88E-30	6.46E-28
ENSECAG00000000381	1.26783678	3.89E-07	2.99E-06
ENSECAG00000008762	1.26304318	0.00012211	0.00050069
ENSECAG00000049483	1.26293435	2.88E-05	0.0001387
ENSECAG00000005282	1.26265108	0.00621008	0.01554329
ENSECAG00000020147	1.26264866	7.61E-10	1.10E-08
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ENSECAG00000016346	1.26148299	6.65E-26	1.30E-23
ENSECAG00000012502	1.26073427	1.03E-05	5.53E-05
ENSECAG00000017871	1.26038376	1.16E-08	1.30E-07

ENSECAG00000013740	1.26015173	1.95E-24	3.05E-22
ENSECAG00000019958	1.25947754	0.00022971	0.00087076
ENSECAG00000052302	1.25857473	1.34E-37	1.30E-34
ENSECAG00000054860	1.25851608	0.0002766	0.00102538
ENSECAG00000042596	1.2581321	2.72E-08	2.77E-07
ENSECAG00000005235	1.25768317	2.01E-08	2.13E-07
ENSECAG00000022461	1.25740185	1.00E-32	4.56E-30
ENSECAG00000020967	1.2571414	0.0015454	0.00462722
ENSECAG00000042315	1.25699141	0.02171424	0.04535675
ENSECAG00000009951	1.2569497	0.00279489	0.00775257
ENSECAG00000057925	1.25658996	1.03E-10	1.79E-09
ENSECAG00000004442	1.25586868	0.00139309	0.00423078
ENSECAG00000019305	1.25553694	9.08E-05	0.00038732
ENSECAG00000049296	1.255417	1.21E-21	1.23E-19
ENSECAG00000048674	1.25523465	0.0235244	0.04852618
ENSECAG00000017827	1.25473597	0.00021215	0.00081149
ENSECAG00000017538	1.25470554	3.25E-10	5.09E-09
ENSECAG00000037376	1.25436865	0.00010636	0.00044483
ENSECAG00000047914	1.25316988	0.00851947	0.02040691
ENSECAG00000010227	1.2529338	1.21E-08	1.35E-07
ENSECAG00000010466	1.25260445	0.01921545	0.04086689
ENSECAG00000015369	1.24899288	9.26E-10	1.32E-08
ENSECAG00000031864	1.24809889	4.08E-06	2.43E-05
ENSECAG00000050143	1.24799455	2.27E-05	0.00011246
ENSECAG00000021480	1.24755756	3.53E-05	0.00016637
ENSECAG00000044733	1.24707065	0.00025201	0.00094533
ENSECAG00000037147	1.24705799	8.87E-05	0.000379
ENSECAG00000016154	1.24622077	0.00997435	0.02331697
ENSECAG00000011126	1.24616883	0.00536806	0.01371067
ENSECAG00000018338	1.24606684	4.87E-13	1.28E-11
ENSECAG00000021595	1.24579912	6.08E-15	2.20E-13
ENSECAG00000013335	1.24537851	0.01244086	0.02813515
ENSECAG00000038429	1.24506173	1.07E-07	9.45E-07
ENSECAG00000015550	1.24504911	2.42E-14	7.86E-13
ENSECAG00000049618	1.2450078	0.00241235	0.00683657
ENSECAG00000007788	1.24455153	1.63E-09	2.23E-08
ENSECAG00000045263	1.2442257	0.00029871	0.00109658
ENSECAG00000031921	1.24365547	6.26E-14	1.92E-12
ENSECAG00000023241	1.24253495	0.00396933	0.01054948
ENSECAG00000017903	1.24199869	0.00344871	0.00932946
ENSECAG00000023738	1.24190357	5.19E-10	7.81E-09
ENSECAG00000016535	1.24143883	0.00014903	0.00059595
ENSECAG00000044967	1.2411857	7.64E-13	1.92E-11

ENSECAG00000005914	1.24065186	0.01389929	0.03098337
ENSECAG00000007704	1.24036101	3.76E-08	3.69E-07
ENSECAG000000023280	1.24001998	3.73E-06	2.24E-05
ENSECAG000000009610	1.23917428	1.61E-10	2.67E-09
ENSECAG000000020325	1.23868778	0.00155636	0.00465463
ENSECAG000000029306	1.23839842	0.01071109	0.02478771
ENSECAG000000003466	1.23839474	2.35E-06	1.49E-05
ENSECAG000000014760	1.23777576	3.67E-20	3.09E-18
ENSECAG000000036090	1.23712396	6.99E-08	6.43E-07
ENSECAG000000043808	1.23581402	0.00278044	0.00772049
ENSECAG000000045743	1.23568985	0.00646579	0.01609319
ENSECAG000000044562	1.23513656	1.66E-14	5.57E-13
ENSECAG000000019768	1.23430379	7.82E-05	0.00033912
ENSECAG000000021968	1.23408805	5.20E-06	3.01E-05
ENSECAG000000024310	1.23230816	0.00017798	0.00069543
ENSECAG000000054147	1.23230627	0.00611998	0.01534699
ENSECAG000000000157	1.23158705	0.01217439	0.02761918
ENSECAG000000021525	1.23140494	3.84E-07	2.96E-06
ENSECAG000000010916	1.23108482	1.52E-06	1.01E-05
ENSECAG000000007047	1.23095892	7.80E-05	0.00033862
ENSECAG000000015317	1.2306941	5.36E-07	4.00E-06
ENSECAG000000022498	1.22955612	3.10E-16	1.37E-14
ENSECAG000000012106	1.2295276	2.15E-14	7.06E-13
ENSECAG000000053742	1.22920994	0.00105911	0.00332074
ENSECAG000000033385	1.22898294	0.00051856	0.00177284
ENSECAG000000055081	1.22856485	0.00488198	0.01262209
ENSECAG000000017561	1.22812091	7.23E-06	4.04E-05
ENSECAG000000005510	1.2279947	0.02234993	0.04650633
ENSECAG000000019499	1.22706999	0.0041322	0.01090436
ENSECAG000000010601	1.22531994	2.67E-14	8.66E-13
ENSECAG000000018961	1.22467573	0.00614166	0.01538409
ENSECAG000000021588	1.22450155	2.18E-16	9.85E-15
ENSECAG000000011559	1.2241704	3.51E-14	1.12E-12
ENSECAG000000001214	1.22348798	0.00103087	0.00324724
ENSECAG000000015460	1.2226166	0.00011353	0.00047093
ENSECAG000000041756	1.22259657	0.00354697	0.00955753
ENSECAG000000055679	1.22257135	0.00679288	0.01676722
ENSECAG000000046331	1.2218357	0.00427511	0.01124035
ENSECAG000000045885	1.22177227	1.68E-07	1.42E-06
ENSECAG000000019437	1.22171471	0.0004761	0.00164357
ENSECAG000000052364	1.22169364	0.01192183	0.0271648
ENSECAG000000018294	1.22143436	2.23E-10	3.61E-09
ENSECAG000000008056	1.22075576	1.07E-08	1.20E-07

ENSECAG00000036597	1.22067718	0.01429586	0.03172031
ENSECAG00000020163	1.22044363	0.01252656	0.02828032
ENSECAG00000037655	1.2200909	0.02139194	0.04479171
ENSECAG00000001989	1.22001814	2.10E-11	4.10E-10
ENSECAG00000012163	1.21998752	4.31E-13	1.14E-11
ENSECAG00000017760	1.21955427	2.09E-06	1.34E-05
ENSECAG00000013261	1.21950091	6.49E-07	4.73E-06
ENSECAG00000030778	1.21757035	5.82E-08	5.44E-07
ENSECAG00000016534	1.21749322	0.0026799	0.00748749
ENSECAG00000050212	1.21709812	0.00687872	0.01695288
ENSECAG00000058549	1.21638259	0.00629775	0.0157398
ENSECAG00000020886	1.216382	3.29E-10	5.14E-09
ENSECAG00000050191	1.21632365	0.00065627	0.00217937
ENSECAG00000046475	1.21572383	7.34E-19	5.06E-17
ENSECAG00000020104	1.21552998	1.24E-15	5.07E-14
ENSECAG00000022098	1.2152602	1.22E-17	6.94E-16
ENSECAG00000020728	1.21493235	5.68E-05	0.00025491
ENSECAG00000018171	1.21486474	9.27E-07	6.50E-06
ENSECAG00000025050	1.21426336	0.00015965	0.00063242
ENSECAG00000013080	1.21393375	1.83E-18	1.18E-16
ENSECAG00000001649	1.21263006	0.00228377	0.00652933
ENSECAG00000008277	1.21234003	0.00090838	0.00290479
ENSECAG00000008859	1.2120354	6.20E-08	5.77E-07
ENSECAG00000019790	1.21087407	1.01E-05	5.44E-05
ENSECAG00000059197	1.21083911	4.77E-05	0.00021835
ENSECAG00000015840	1.21071804	0.00538869	0.01375707
ENSECAG00000001394	1.210676	0.01788671	0.03845823
ENSECAG00000010458	1.21022943	1.25E-10	2.13E-09
ENSECAG00000024637	1.20992443	0.00072818	0.0023887
ENSECAG00000003511	1.20807539	0.00125116	0.00384486
ENSECAG00000018236	1.20758272	2.11E-17	1.15E-15
ENSECAG00000008446	1.20738603	1.51E-05	7.78E-05
ENSECAG00000047415	1.20702805	0.02081454	0.04377204
ENSECAG00000008085	1.20683724	0.00155931	0.00466161
ENSECAG00000019938	1.20683371	6.94E-19	4.85E-17
ENSECAG00000008485	1.2059225	0.00013218	0.00053568
ENSECAG00000007960	1.20548067	3.52E-05	0.00016592
ENSECAG00000018455	1.20546766	0.00158729	0.00473434
ENSECAG00000033498	1.20510796	0.00442454	0.01157821
ENSECAG00000012064	1.2041293	0.00360473	0.00969797
ENSECAG00000053434	1.20412813	0.01075056	0.02486101
ENSECAG00000057503	1.20252593	2.62E-11	5.04E-10
ENSECAG00000004611	1.20070509	0.00504704	0.01299323

ENSECAG00000019633	1.20044033	0.00122402	0.00377164
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ENSECAG00000036791	1.19977693	0.00546054	0.01391347
ENSECAG00000022971	1.19936596	0.00430959	0.011323
ENSECAG00000049724	1.1990424	0.00116931	0.00362206
ENSECAG00000001166	1.19889849	0.00013575	0.00054805
ENSECAG00000007609	1.19689752	1.82E-12	4.29E-11
ENSECAG00000030455	1.19642437	0.00103537	0.00325958
ENSECAG00000052667	1.19611545	2.10E-05	0.00010493
ENSECAG00000012913	1.19436248	0.01234869	0.02796334
ENSECAG00000057564	1.19390666	9.79E-05	0.00041322
ENSECAG00000019453	1.19314166	7.65E-17	3.73E-15
ENSECAG00000034290	1.19290135	2.79E-07	2.23E-06
ENSECAG00000017763	1.19231006	2.10E-07	1.73E-06
ENSECAG00000024918	1.19108788	0.00053516	0.00182213
ENSECAG00000016959	1.19095649	4.20E-09	5.24E-08
ENSECAG00000009479	1.1902836	0.00051917	0.00177445
ENSECAG00000021192	1.18935853	3.41E-06	2.07E-05
ENSECAG00000010884	1.18924714	9.38E-10	1.34E-08
ENSECAG00000010068	1.18908911	1.28E-05	6.71E-05
ENSECAG00000016693	1.18861157	6.30E-17	3.14E-15
ENSECAG00000021888	1.18785607	0.00388697	0.01036371
ENSECAG00000053446	1.18765524	0.00034398	0.00124156
ENSECAG00000018381	1.18535281	1.53E-26	3.23E-24
ENSECAG00000008957	1.18159436	0.00015805	0.00062731
ENSECAG00000010999	1.18153276	2.03E-08	2.15E-07
ENSECAG00000047155	1.18086877	0.00015063	0.00060106
ENSECAG00000022275	1.18028491	2.53E-13	6.96E-12
ENSECAG00000052343	1.17907355	0.0021586	0.00621197
ENSECAG00000004219	1.17785046	0.00158059	0.0047175
ENSECAG00000024593	1.17756496	0.02110409	0.04431007
ENSECAG00000000599	1.17698416	2.07E-07	1.71E-06
ENSECAG00000043276	1.17675946	0.00053484	0.00182171
ENSECAG00000007610	1.17666737	0.00312883	0.00854591
ENSECAG00000022716	1.17651653	0.00285386	0.0078975
ENSECAG00000023779	1.17609384	9.32E-19	6.30E-17
ENSECAG00000022675	1.17552406	5.81E-23	7.05E-21
ENSECAG00000009372	1.17512521	0.00034479	0.00124368
ENSECAG00000018189	1.17480971	5.38E-15	1.97E-13
ENSECAG00000020685	1.17471554	0.00032879	0.0011929
ENSECAG00000060049	1.17385469	7.85E-06	4.35E-05
ENSECAG00000015128	1.1738523	3.67E-07	2.84E-06
ENSECAG00000010406	1.17382529	0.00364765	0.00980398

ENSECAG00000004162	1.17359909	0.00148876	0.00447937
ENSECAG00000011111	1.17344807	4.89E-08	4.67E-07
ENSECAG000000051336	1.17305515	0.01864235	0.03984905
ENSECAG00000011401	1.17297856	0.00032802	0.00119081
ENSECAG00000024065	1.17225297	0.015655	0.03433133
ENSECAG00000018711	1.17218561	7.27E-07	5.23E-06
ENSECAG00000011656	1.17144498	1.42E-06	9.54E-06
ENSECAG00000046524	1.1707544	4.11E-25	6.95E-23
ENSECAG00000015524	1.17051656	0.00048132	0.00165931
ENSECAG00000043788	1.17028637	2.35E-07	1.91E-06
ENSECAG00000011512	1.17020955	8.27E-09	9.56E-08
ENSECAG00000007283	1.16926259	0.00991469	0.0231969
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ENSECAG00000049142	1.16676063	0.01257508	0.02837838
ENSECAG00000007148	1.16616195	8.46E-05	0.00036333
ENSECAG00000016811	1.16555085	0.00011944	0.00049152
ENSECAG00000024614	1.16525293	1.58E-15	6.35E-14
ENSECAG00000002165	1.16482891	1.39E-13	3.96E-12
ENSECAG00000007470	1.16406158	0.00601956	0.01512572
ENSECAG00000007492	1.16399086	1.33E-08	1.47E-07
ENSECAG00000007007	1.16386188	5.09E-12	1.11E-10
ENSECAG00000012769	1.16299098	2.41E-24	3.71E-22
ENSECAG00000009492	1.16268213	2.45E-21	2.33E-19
ENSECAG00000000773	1.16232138	7.83E-16	3.26E-14
ENSECAG00000022197	1.16134649	2.71E-10	4.30E-09
ENSECAG00000010809	1.16096181	2.60E-17	1.40E-15
ENSECAG00000010804	1.16053755	0.00053947	0.00183543
ENSECAG00000016635	1.16031753	1.44E-12	3.47E-11
ENSECAG00000011874	1.16011853	9.63E-18	5.57E-16
ENSECAG00000004992	1.16009191	9.29E-33	4.32E-30
ENSECAG00000019520	1.15992254	3.78E-16	1.64E-14
ENSECAG00000021162	1.15976729	0.00023271	0.00088049
ENSECAG00000022687	1.15867004	1.55E-17	8.66E-16
ENSECAG00000055095	1.15852712	0.00294444	0.00811901
ENSECAG00000006921	1.15813465	4.77E-07	3.60E-06
ENSECAG00000006668	1.15805719	0.00747616	0.01820643
ENSECAG00000001373	1.15783801	1.37E-06	9.24E-06
ENSECAG00000032362	1.1572524	0.01251902	0.02826614
ENSECAG00000019868	1.15696563	0.00089674	0.00287374
ENSECAG00000023356	1.15626132	6.90E-12	1.47E-10
ENSECAG00000021098	1.15614284	0.00076408	0.00249292
ENSECAG00000013597	1.15590016	8.07E-06	4.45E-05
ENSECAG00000005768	1.15529004	5.76E-11	1.05E-09

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ENSECAG00000015469	1.15507751	4.10E-10	6.26E-09
ENSECAG00000049739	1.15474274	0.001771	0.00521819
ENSECAG00000049214	1.15463796	0.00215289	0.00619878
ENSECAG00000022862	1.15435519	0.00854036	0.02045475
ENSECAG00000015202	1.15375523	1.15E-09	1.61E-08
ENSECAG00000018404	1.15366449	0.00049612	0.00170243
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ENSECAG00000010620	1.15235378	3.66E-07	2.83E-06
ENSECAG00000059184	1.15204309	0.00095815	0.00304562
ENSECAG00000012045	1.15172284	3.54E-14	1.13E-12
ENSECAG00000028930	1.15158023	1.04E-14	3.64E-13
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ENSECAG00000031341	1.14786741	3.36E-25	5.91E-23
ENSECAG00000015351	1.14504765	0.0108538	0.02507122
ENSECAG00000018024	1.14499708	0.00023436	0.00088642
ENSECAG00000024727	1.14457718	0.00108456	0.00338816
ENSECAG00000024909	1.1445248	0.00045143	0.00157078
ENSECAG00000057245	1.14437862	3.13E-05	0.00014947
ENSECAG00000020307	1.14411299	3.07E-07	2.42E-06
ENSECAG00000023441	1.14361995	2.17E-07	1.78E-06
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ENSECAG00000010539	1.13916883	1.69E-09	2.32E-08
ENSECAG00000017661	1.13879574	3.73E-07	2.89E-06
ENSECAG00000039059	1.1384507	5.26E-16	2.22E-14
ENSECAG00000022166	1.13836022	0.02141567	0.04482108
ENSECAG00000025502	1.13818693	0.00595051	0.01497074
ENSECAG00000009699	1.13798471	0.00023078	0.00087424
ENSECAG00000043880	1.13754602	0.01954369	0.04147025
ENSECAG00000009638	1.13603103	0.00055226	0.00187323
ENSECAG00000018530	1.13602465	5.77E-10	8.64E-09
ENSECAG00000020812	1.13590601	0.02139362	0.04479171
ENSECAG00000046018	1.13570126	0.01938356	0.04116957
ENSECAG00000010118	1.13538801	5.06E-07	3.80E-06
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ENSECAG000000010951	1.13225308	4.81E-08	4.61E-07
ENSECAG000000013746	1.13215581	1.89E-06	1.23E-05
ENSECAG000000002414	1.13196287	1.09E-08	1.23E-07
ENSECAG000000045773	1.13096052	5.94E-09	7.14E-08
ENSECAG000000011659	1.13047111	0.00240989	0.00683046
ENSECAG000000027909	1.13033552	9.84E-10	1.40E-08
ENSECAG000000058983	1.13019883	0.00018677	0.00072444
ENSECAG000000033122	1.13009937	2.74E-08	2.79E-07
ENSECAG000000022050	1.12930311	1.56E-06	1.04E-05
ENSECAG000000040088	1.12898956	2.47E-12	5.67E-11
ENSECAG000000022011	1.12885737	3.53E-05	0.0001666
ENSECAG000000017906	1.12837695	0.00759542	0.01845663
ENSECAG000000060213	1.12780619	3.02E-05	0.00014484
ENSECAG000000012523	1.12703296	3.33E-11	6.32E-10
ENSECAG000000008447	1.12583043	9.62E-14	2.82E-12
ENSECAG0000000020193	1.12311705	1.81E-05	9.19E-05
ENSECAG000000011614	1.12207313	7.36E-12	1.56E-10
ENSECAG000000034536	1.12203357	0.00339136	0.00919702
ENSECAG000000022708	1.12137738	0.00048905	0.00168231
ENSECAG000000010326	1.12115064	0.00941084	0.02219235
ENSECAG000000008517	1.12019117	0.00851811	0.02040585
ENSECAG000000011471	1.11965405	1.50E-08	1.63E-07
ENSECAG000000047772	1.11929824	1.59E-08	1.72E-07
ENSECAG000000015687	1.11830538	7.48E-08	6.82E-07
ENSECAG000000059977	1.11766808	3.26E-10	5.11E-09
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ENSECAG000000001035	1.11566149	5.45E-14	1.69E-12
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ENSECAG000000015049	1.11506226	2.08E-16	9.47E-15
ENSECAG000000002569	1.11408202	0.00042869	0.0015015
ENSECAG000000012899	1.11318443	0.00137372	0.00418104
ENSECAG000000013359	1.11291013	2.95E-16	1.31E-14
ENSECAG000000006670	1.11121769	3.96E-23	4.89E-21
ENSECAG000000012646	1.11066022	1.38E-05	7.22E-05
ENSECAG000000033049	1.11055033	2.07E-19	1.57E-17
ENSECAG000000023182	1.11041323	1.38E-10	2.34E-09
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ENSECAG000000023479	1.10931332	1.18E-10	2.03E-09
ENSECAG000000003331	1.10914137	4.28E-06	2.53E-05

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ENSECAG00000000081	1.10897588	1.21E-05	6.37E-05
ENSECAG00000054242	1.1085909	0.00239989	0.00680904
ENSECAG00000014826	1.10739348	1.82E-19	1.40E-17
ENSECAG00000007999	1.10725932	2.09E-23	2.70E-21
ENSECAG00000013663	1.1070108	0.00028844	0.00106451
ENSECAG00000054990	1.10700499	0.0018784	0.00549694
ENSECAG00000016570	1.10660438	0.00103958	0.00327005
ENSECAG00000000666	1.10623137	4.47E-06	2.63E-05
ENSECAG00000050101	1.1059609	0.00014656	0.00058713
ENSECAG00000034555	1.10580276	1.99E-12	4.66E-11
ENSECAG00000024742	1.10563887	1.50E-10	2.51E-09
ENSECAG00000017704	1.10425588	2.85E-16	1.27E-14
ENSECAG00000016155	1.10414799	0.00068107	0.00225404
ENSECAG00000025441	1.10383926	0.00056932	0.00192524
ENSECAG00000007275	1.10355775	5.36E-08	5.07E-07
ENSECAG00000015881	1.1034898	2.46E-16	1.11E-14
ENSECAG00000016123	1.10321745	6.53E-24	9.54E-22
ENSECAG00000008058	1.10299027	1.15E-08	1.28E-07
ENSECAG00000010008	1.10237306	7.67E-06	4.26E-05
ENSECAG00000013766	1.10231641	1.33E-05	6.98E-05
ENSECAG00000051604	1.1022197	1.14E-05	6.09E-05
ENSECAG00000010297	1.10184195	0.00611928	0.01534695
ENSECAG00000022769	1.10096959	2.09E-08	2.20E-07
ENSECAG00000056149	1.10067185	3.17E-05	0.00015133
ENSECAG00000023150	1.10065713	1.03E-13	2.99E-12
ENSECAG00000024654	1.10042769	5.31E-14	1.65E-12
ENSECAG00000024675	1.10041535	1.16E-14	4.00E-13
ENSECAG00000049465	1.09916096	0.00746738	0.01818914
ENSECAG00000055452	1.09710652	0.00125995	0.00386825
ENSECAG00000017207	1.096871	6.08E-23	7.35E-21
ENSECAG00000023105	1.09676023	1.63E-06	1.08E-05
ENSECAG00000056471	1.09673037	2.96E-05	0.00014223
ENSECAG00000023033	1.09657975	0.00052883	0.00180425
ENSECAG00000013534	1.09530705	0.0006982	0.00230048
ENSECAG00000016480	1.09456693	2.30E-19	1.73E-17
ENSECAG00000016782	1.09435752	0.00204192	0.00591736
ENSECAG00000014782	1.0938845	2.45E-11	4.75E-10
ENSECAG00000017335	1.09354026	2.01E-09	2.71E-08
ENSECAG00000024284	1.09350909	5.34E-11	9.76E-10
ENSECAG00000013963	1.09298675	9.68E-13	2.40E-11
ENSECAG00000013169	1.09246681	7.79E-12	1.65E-10
ENSECAG00000024301	1.09207675	2.96E-05	0.00014246

ENSECAG00000017522	1.09117547	0.00412915	0.01090105
ENSECAG00000020856	1.09026267	3.75E-21	3.49E-19
ENSECAG00000017156	1.08998405	2.33E-10	3.76E-09
ENSECAG00000051470	1.08926675	0.01488368	0.03284846
ENSECAG00000011229	1.08924346	0.00012455	0.00050906
ENSECAG00000046810	1.08918994	1.15E-05	6.11E-05
ENSECAG00000047474	1.08811457	0.00680315	0.01679072
ENSECAG00000024148	1.08810326	0.00274123	0.00763118
ENSECAG00000014391	1.08775888	2.84E-15	1.09E-13
ENSECAG00000023256	1.08772037	0.00442135	0.01157173
ENSECAG00000020411	1.08745183	0.02288394	0.04743642
ENSECAG00000032753	1.08722802	0.01955208	0.04147779
ENSECAG00000008438	1.08720939	0.00020731	0.00079515
ENSECAG00000025034	1.08708856	1.88E-14	6.25E-13
ENSECAG00000020739	1.08484946	1.14E-11	2.34E-10
ENSECAG00000032438	1.08478939	2.77E-06	1.73E-05
ENSECAG00000014218	1.08439727	0.01452286	0.03215693
ENSECAG00000005924	1.08439025	2.04E-07	1.68E-06
ENSECAG00000007542	1.08393803	5.11E-11	9.39E-10
ENSECAG00000000587	1.08306331	0.00084398	0.00272583
ENSECAG00000021012	1.0827612	4.34E-08	4.20E-07
ENSECAG00000008730	1.08218866	2.22E-16	1.00E-14
ENSECAG00000007859	1.0813172	1.43E-11	2.90E-10
ENSECAG00000010728	1.07961918	0.00020143	0.00077618
ENSECAG00000037399	1.07874723	0.0078228	0.01894529
ENSECAG00000023967	1.07811636	2.53E-08	2.60E-07
ENSECAG00000006343	1.07779354	1.60E-07	1.36E-06
ENSECAG00000026834	1.07728176	3.96E-21	3.66E-19
ENSECAG00000047525	1.07664929	0.0009081	0.0029043
ENSECAG00000024776	1.07575707	2.34E-11	4.54E-10
ENSECAG00000020196	1.07433874	6.44E-13	1.65E-11
ENSECAG00000009402	1.07353374	0.00307911	0.00842794
ENSECAG00000013011	1.07315867	1.80E-12	4.24E-11
ENSECAG00000012455	1.0726699	1.87E-28	5.03E-26
ENSECAG00000020551	1.07232856	0.00022988	0.00087125
ENSECAG00000035596	1.0721715	0.00023685	0.00089492
ENSECAG00000044826	1.07206907	0.00772451	0.01873975
ENSECAG00000009716	1.07181869	0.00170902	0.00505892
ENSECAG00000001898	1.07092977	9.71E-15	3.41E-13
ENSECAG00000011563	1.0703727	7.01E-11	1.25E-09
ENSECAG00000024871	1.07032406	7.29E-21	6.46E-19
ENSECAG00000014825	1.07030121	1.32E-29	3.98E-27
ENSECAG00000012612	1.07025944	1.63E-18	1.06E-16

ENSECAG00000053638	1.06761834	0.01181802	0.02696676
ENSECAG00000021295	1.06645871	1.11E-12	2.73E-11
ENSECAG00000009302	1.06621594	1.52E-05	7.85E-05
ENSECAG00000006038	1.06620825	0.00394185	0.01048877
ENSECAG00000008506	1.06582052	0.00185566	0.00543752
ENSECAG00000049135	1.06576074	1.33E-13	3.81E-12
ENSECAG00000025117	1.06468487	0.00704771	0.01732923
ENSECAG00000045790	1.06440442	2.58E-05	0.00012583
ENSECAG00000041134	1.06403697	1.66E-21	1.65E-19
ENSECAG00000020159	1.06357512	0.02193142	0.0457377
ENSECAG00000024054	1.06304797	0.02104033	0.0441928
ENSECAG00000020784	1.06236947	1.52E-08	1.64E-07
ENSECAG00000014425	1.06210321	6.10E-21	5.45E-19
ENSECAG00000019549	1.06191646	5.50E-05	0.00024767
ENSECAG00000035852	1.06181979	4.53E-09	5.61E-08
ENSECAG00000010284	1.06060049	1.59E-09	2.18E-08
ENSECAG00000021086	1.06049724	3.68E-05	0.00017293
ENSECAG00000009950	1.06035587	1.00E-27	2.46E-25
ENSECAG00000003386	1.06015239	2.09E-07	1.72E-06
ENSECAG00000015972	1.06011212	0.00073743	0.00241481
ENSECAG00000047012	1.06009384	0.00393511	0.01047832
ENSECAG00000014032	1.05944119	0.00031044	0.00113498
ENSECAG00000015525	1.0589778	4.29E-12	9.39E-11
ENSECAG00000012054	1.05853529	1.27E-09	1.77E-08
ENSECAG00000050881	1.05805225	0.00558955	0.01419216
ENSECAG00000018049	1.05743375	0.02029593	0.04286294
ENSECAG00000044311	1.05658848	0.02030011	0.04286773
ENSECAG00000020204	1.05656882	0.00040571	0.00142973
ENSECAG00000056537	1.05649037	0.01466722	0.03244761
ENSECAG00000007716	1.05620488	5.21E-15	1.91E-13
ENSECAG00000016720	1.05610311	0.01200458	0.02729857
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ENSECAG00000022556	1.05460553	0.01031673	0.02401933
ENSECAG00000014660	1.05445879	5.64E-06	3.24E-05
ENSECAG00000024082	1.0543203	0.0096344	0.02264288
ENSECAG00000010084	1.05430224	1.06E-12	2.62E-11
ENSECAG00000002083	1.05395089	0.00038374	0.00136184
ENSECAG00000009563	1.05266694	1.73E-08	1.86E-07
ENSECAG00000021503	1.05206265	0.00054818	0.00186136
ENSECAG00000008173	1.05179398	2.47E-09	3.25E-08
ENSECAG00000017048	1.05172305	1.92E-05	9.68E-05
ENSECAG00000054967	1.05165906	9.80E-10	1.39E-08
ENSECAG00000019798	1.05132754	0.00014316	0.00057504

ENSECAG00000020631	1.05127316	7.21E-17	3.53E-15
ENSECAG00000032097	1.05114224	3.01E-05	0.00014479
ENSECAG00000006321	1.05102196	4.90E-16	2.08E-14
ENSECAG00000017104	1.05015054	0.00133425	0.00407423
ENSECAG00000020689	1.04967123	0.00010468	0.00043913
ENSECAG00000009723	1.04962315	0.00096825	0.00307292
ENSECAG00000006573	1.04959522	1.56E-16	7.25E-15
ENSECAG00000059252	1.04921405	1.90E-11	3.75E-10
ENSECAG00000044184	1.04908375	1.07E-05	5.73E-05
ENSECAG00000021603	1.0489687	0.00016673	0.00065675
ENSECAG00000011090	1.04856266	0.00011475	0.00047478
ENSECAG00000011212	1.04813017	0.00049303	0.00169341
ENSECAG00000019968	1.0465067	8.06E-11	1.43E-09
ENSECAG00000007941	1.04583345	1.00E-05	5.42E-05
ENSECAG00000014474	1.04571387	0.00961984	0.02261599
ENSECAG00000044441	1.04523415	0.00067652	0.00223997
ENSECAG00000015885	1.04483177	0.00139105	0.00422594
ENSECAG00000000153	1.04476538	6.19E-05	0.00027567
ENSECAG00000005988	1.04409357	2.00E-09	2.69E-08
ENSECAG00000007907	1.04394593	0.00119392	0.00368959
ENSECAG00000032528	1.04364809	0.00487694	0.01261198
ENSECAG00000021199	1.04351583	2.98E-30	9.78E-28
ENSECAG00000026317	1.04279461	1.06E-16	5.11E-15
ENSECAG00000008441	1.04261981	0.00409889	0.01083438
ENSECAG00000012286	1.04232263	8.09E-16	3.36E-14
ENSECAG00000020376	1.0421772	6.93E-10	1.02E-08
ENSECAG00000017878	1.04191832	0.0105373	0.02445134
ENSECAG00000001262	1.04190454	0.00063879	0.00212922
ENSECAG00000026851	1.04189995	0.00099758	0.00315525
ENSECAG00000022964	1.04154526	0.00061085	0.00204834
ENSECAG00000010324	1.04145988	3.11E-13	8.42E-12
ENSECAG00000009797	1.04045207	2.97E-07	2.35E-06
ENSECAG00000001648	1.04017881	3.90E-19	2.83E-17
ENSECAG00000015697	1.03993444	1.57E-10	2.62E-09
ENSECAG00000060369	1.03958788	0.00119342	0.00368855
ENSECAG00000014764	1.03856322	2.05E-12	4.78E-11
ENSECAG00000055535	1.03828059	0.00203197	0.00589312
ENSECAG00000047219	1.03802112	0.0116183	0.0265816
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ENSECAG00000000263	1.03575988	1.56E-08	1.69E-07
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ENSECAG000000021378	1.0340895	0.01521465	0.03347972
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ENSECAG000000015006	1.03256594	7.29E-12	1.55E-10
ENSECAG000000010260	1.0325155	1.54E-07	1.31E-06
ENSECAG000000047268	1.03250131	0.00527021	0.0134916
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ENSECAG000000021604	1.02506678	0.00239332	0.00679211
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ENSECAG000000058428	1.02433232	0.01261564	0.02845842
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ENSECAG000000058005	1.02362776	2.85E-10	4.50E-09
ENSECAG000000017172	1.02351332	0.00203108	0.00589129
ENSECAG000000012816	1.02348634	8.96E-18	5.20E-16
ENSECAG000000009561	1.02333969	1.49E-10	2.49E-09
ENSECAG000000010902	1.02321219	1.06E-10	1.85E-09
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ENSECAG000000036666	1.02172618	1.05E-23	1.45E-21
ENSECAG000000013897	1.02162771	0.01324397	0.02971681
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ENSECAG00000022453	1.00735188	0.02283841	0.04735521
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ENSECAG00000026898	-1.0237318	1.85E-06	1.21E-05
ENSECAG00000057140	-1.0249036	0.0018041	0.00530594
ENSECAG00000019429	-1.0255368	2.20E-05	0.00010942
ENSECAG00000018415	-1.0260343	1.36E-29	4.05E-27
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ENSECAG00000017868	-1.0281502	6.43E-28	1.63E-25
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ENSECAG00000019745	-1.0287666	0.0005605	0.00189839
ENSECAG00000036067	-1.0293916	0.00808066	0.01950637
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ENSECAG00000024553	-1.0312549	0.00027412	0.00101752
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ENSECAG00000005626	-1.0313929	0.00176446	0.00520099
ENSECAG00000019716	-1.0315437	1.45E-07	1.24E-06
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ENSECAG00000046696	-1.035391	0.01904474	0.04057867
ENSECAG00000023588	-1.0360652	0.00026944	0.00100264

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ENSECAG00000017812	-1.0369425	0.01481685	0.03271712
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ENSECAG00000010414	-1.0386169	1.36E-10	2.30E-09
ENSECAG00000013796	-1.0408619	6.69E-10	9.86E-09
ENSECAG00000047495	-1.0408822	1.27E-08	1.41E-07
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ENSECAG00000023731	-1.0420879	5.72E-07	4.23E-06
ENSECAG00000019802	-1.0437278	7.24E-07	5.21E-06
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ENSECAG00000018202	-1.0443767	4.36E-13	1.15E-11
ENSECAG00000039864	-1.0446408	0.00377338	0.010097
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ENSECAG00000026951	-1.0452037	8.63E-08	7.76E-07
ENSECAG00000019152	-1.0473483	4.01E-07	3.07E-06
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ENSECAG00000025095	-1.0474766	5.28E-08	5.01E-07
ENSECAG00000018603	-1.0479511	0.00486338	0.0125944
ENSECAG00000014947	-1.0483917	0.00202775	0.00588391
ENSECAG00000024041	-1.050217	6.43E-07	4.69E-06
ENSECAG00000010523	-1.0505368	0.00096371	0.00306144
ENSECAG00000024650	-1.0520326	0.00836618	0.02009985
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ENSECAG00000004810	-1.052649	0.00013098	0.00053148
ENSECAG00000022861	-1.0528963	2.17E-06	1.39E-05
ENSECAG00000052626	-1.0529557	0.00094662	0.00301155
ENSECAG00000016742	-1.0532763	8.97E-19	6.09E-17
ENSECAG00000059205	-1.0533042	0.02159435	0.04515274
ENSECAG00000024448	-1.0553415	0.00523103	0.0134005
ENSECAG00000001652	-1.0559003	0.0016127	0.00480051
ENSECAG00000010989	-1.0561187	3.72E-06	2.24E-05
ENSECAG00000008799	-1.0565515	0.00085313	0.00274935
ENSECAG00000008558	-1.0567557	6.75E-09	8.00E-08
ENSECAG00000018199	-1.0577166	1.70E-06	1.12E-05
ENSECAG00000028489	-1.0598291	0.0062402	0.01560993
ENSECAG00000032246	-1.0606005	0.00632058	0.01579019
ENSECAG00000019151	-1.0606499	1.01E-14	3.54E-13
ENSECAG00000033624	-1.0609987	0.00647091	0.01609874
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ENSECAG00000024247	-1.0614645	0.00010789	0.00045032

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ENSECAG00000048122	-1.062426	0.0015458	0.00462727
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ENSECAG00000029715	-1.2500624	1.30E-16	6.11E-15
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ENSECAG00000014695	-1.2506624	0.00083726	0.00270759
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ENSECAG00000018696	-1.253095	1.42E-12	3.43E-11
ENSECAG00000015813	-1.2534807	3.45E-24	5.17E-22
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ENSECAG00000038251	-1.2560585	0.02192095	0.0457244
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ENSECAG00000011955	-1.2572522	0.00031767	0.00115898
ENSECAG00000001734	-1.2575668	5.63E-08	5.29E-07
ENSECAG00000019533	-1.2585444	0.01449543	0.03210893
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ENSECAG00000006494	-1.259926	0.01798152	0.0386435
ENSECAG00000009269	-1.2600808	3.60E-07	2.80E-06
ENSECAG00000059351	-1.2605738	0.01339648	0.0299893
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ENSECAG00000021731	-1.4267871	2.27E-10	3.66E-09
ENSECAG00000024053	-1.4272412	2.40E-08	2.49E-07
ENSECAG00000046660	-1.4273725	9.78E-06	5.30E-05
ENSECAG00000046591	-1.4275932	0.00658442	0.01633749
ENSECAG00000009136	-1.427731	0.00040118	0.00141535
ENSECAG00000059793	-1.428392	3.41E-06	2.07E-05
ENSECAG00000012767	-1.4288665	1.24E-07	1.08E-06
ENSECAG00000020074	-1.429263	0.00390615	0.01040864
ENSECAG00000007805	-1.4293925	7.27E-09	8.56E-08
ENSECAG00000023473	-1.4296139	0.00842602	0.02021615
ENSECAG00000059998	-1.4300126	1.31E-05	6.87E-05
ENSECAG00000016225	-1.4303554	0.00012506	0.00051082
ENSECAG00000018836	-1.4305685	0.00506166	0.01302635
ENSECAG00000017816	-1.4306429	0.0097436	0.02286125
ENSECAG00000026297	-1.4307665	0.01504277	0.03314067
ENSECAG00000004556	-1.4315598	2.05E-08	2.16E-07
ENSECAG00000015418	-1.4324605	5.77E-08	5.40E-07
ENSECAG00000008465	-1.4332935	2.75E-08	2.80E-07
ENSECAG00000016664	-1.4341047	1.80E-08	1.93E-07
ENSECAG00000016299	-1.4347779	2.88E-23	3.66E-21
ENSECAG00000007006	-1.4353816	0.01814072	0.03894442
ENSECAG00000008538	-1.4353955	1.39E-17	7.86E-16
ENSECAG00000013743	-1.4372138	8.71E-09	1.00E-07
ENSECAG00000003923	-1.4382291	0.00039981	0.00141161
ENSECAG00000012668	-1.438752	0.00015062	0.00060106
ENSECAG00000008427	-1.4396029	6.06E-07	4.45E-06
ENSECAG00000008637	-1.4399627	2.31E-06	1.47E-05
ENSECAG00000022015	-1.440051	0.01857227	0.03971824
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ENSECAG00000046105	-1.4415845	0.00107842	0.00337182
ENSECAG00000014709	-1.4416174	3.11E-05	0.00014874
ENSECAG00000028509	-1.4421061	8.28E-05	0.00035653
ENSECAG00000016372	-1.4423023	2.50E-12	5.72E-11
ENSECAG00000021145	-1.4424361	0.00011992	0.00049334

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ENSECAG00000001641	-1.4459205	0.01546306	0.03396613
ENSECAG00000016070	-1.4466251	6.38E-12	1.36E-10
ENSECAG00000055212	-1.4469735	0.01113826	0.02563028
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ENSECAG00000046903	-1.4538351	1.74E-06	1.15E-05
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ENSECAG00000025860	-1.4580344	2.15E-07	1.76E-06
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ENSECAG00000051914	-1.4593328	4.99E-05	0.00022731
ENSECAG00000004022	-1.4595337	1.54E-07	1.31E-06
ENSECAG00000049525	-1.4596896	0.01373214	0.03065518
ENSECAG00000018579	-1.4602079	3.71E-10	5.73E-09
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ENSECAG00000012150	-1.6097401	1.92E-08	2.04E-07
ENSECAG00000051273	-1.6102113	1.53E-18	9.95E-17
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ENSECAG00000010346	-1.6129876	0.0093356	0.02203118
ENSECAG00000013279	-1.6132799	0.00020635	0.00079201
ENSECAG00000018746	-1.6152312	9.76E-10	1.39E-08
ENSECAG00000016893	-1.6159036	6.85E-05	0.00030128
ENSECAG00000030351	-1.6166135	0.00015356	0.00061146
ENSECAG00000007711	-1.6168172	0.01125962	0.02587554
ENSECAG00000008614	-1.6169642	0.00021435	0.00081918
ENSECAG00000048983	-1.6174139	3.89E-05	0.00018187
ENSECAG00000040185	-1.6184662	0.00948245	0.02233999
ENSECAG00000022873	-1.6186785	2.67E-12	6.07E-11
ENSECAG00000017468	-1.6192475	0.0017129	0.00506838
ENSECAG00000000416	-1.6197549	0.00123189	0.0037917
ENSECAG00000027354	-1.6202615	0.00821192	0.01978124
ENSECAG00000023163	-1.6206838	0.0049623	0.01280605
ENSECAG00000034127	-1.6212426	3.08E-07	2.43E-06
ENSECAG00000012853	-1.6214506	0.00028938	0.00106709
ENSECAG00000011871	-1.62147	0.00046142	0.00160131
ENSECAG00000014045	-1.6215173	0.02122605	0.04450341
ENSECAG00000011697	-1.6217366	7.06E-10	1.03E-08
ENSECAG00000032603	-1.621919	0.00147656	0.00444919
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ENSECAG00000055555	-1.6220311	6.05E-05	0.00027004
ENSECAG00000030432	-1.6225323	1.57E-21	1.57E-19
ENSECAG00000015220	-1.6230469	0.0212873	0.0446109
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ENSECAG00000022037	-1.6260818	2.09E-05	0.00010449
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ENSECAG00000008059	-1.6262253	5.19E-05	0.00023479
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ENSECAG00000016498	-1.7954755	0.00995777	0.02328308
ENSECAG00000023509	-1.7984955	7.35E-09	8.64E-08
ENSECAG00000043163	-1.7985749	9.65E-07	6.74E-06
ENSECAG00000010579	-1.7989638	0.00229638	0.00656032
ENSECAG00000002551	-1.7991136	0.00026772	0.00099725
ENSECAG00000021168	-1.7997756	1.53E-05	7.86E-05
ENSECAG00000019943	-1.8006721	3.34E-22	3.62E-20
ENSECAG00000043237	-1.8025604	0.0009834	0.00311393
ENSECAG00000051410	-1.8041168	2.03E-07	1.68E-06
ENSECAG00000030444	-1.8041925	0.01720084	0.03716951
ENSECAG00000056303	-1.8058045	7.54E-07	5.40E-06
ENSECAG00000052324	-1.8081455	0.00012156	0.00049868
ENSECAG00000057381	-1.8088991	0.00013784	0.00055557
ENSECAG00000025630	-1.8092174	0.00470326	0.01222902
ENSECAG00000045822	-1.8103554	0.00804959	0.01943767
ENSECAG00000051876	-1.8104938	0.0055525	0.01411239
ENSECAG00000057891	-1.8105526	8.81E-07	6.20E-06
ENSECAG00000022549	-1.8107613	0.01180567	0.02694409
ENSECAG00000024422	-1.8121118	0.00865445	0.02068146
ENSECAG00000006853	-1.8137452	5.86E-06	3.35E-05
ENSECAG00000009475	-1.8139096	0.00437733	0.01147399
ENSECAG00000028812	-1.8143638	0.01940223	0.04119573
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ENSECAG00000060335	-1.8149874	0.00058	0.00195691
ENSECAG00000009004	-1.8151228	0.02428034	0.04985926
ENSECAG00000018420	-1.8162159	2.38E-10	3.83E-09
ENSECAG00000010717	-1.816428	6.37E-05	0.00028288
ENSECAG00000024348	-1.8168374	0.00919869	0.02174955
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ENSECAG00000010925	-1.8186055	2.56E-06	1.61E-05
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ENSECAG00000006337	-1.8195971	2.14E-08	2.25E-07
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ENSECAG000000030006	-2.0013617	1.23E-17	7.01E-16
ENSECAG000000057219	-2.0015891	0.00164861	0.00489631
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ENSECAG000000020561	-2.0071316	1.40E-09	1.94E-08
ENSECAG000000011885	-2.008036	1.03E-08	1.16E-07
ENSECAG000000038109	-2.0095409	0.01851335	0.03961577
ENSECAG000000009553	-2.0101667	8.89E-06	4.86E-05
ENSECAG000000009418	-2.0104719	8.73E-08	7.84E-07
ENSECAG000000008881	-2.0113492	8.00E-07	5.68E-06
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ENSECAG000000015958	-2.0130526	0.00018344	0.000714
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ENSECAG00000001205	-2.2028069	2.37E-05	0.00011677
ENSECAG00000020972	-2.202807	5.31E-06	3.06E-05
ENSECAG00000049755	-2.2046877	3.03E-06	1.87E-05
ENSECAG00000004707	-2.2056591	2.76E-10	4.37E-09
ENSECAG00000050599	-2.2058151	0.00080774	0.00262007
ENSECAG00000020393	-2.2059272	8.34E-19	5.70E-17
ENSECAG00000009575	-2.2073872	0.00996105	0.02328831
ENSECAG00000053320	-2.2075404	0.00170183	0.00504029
ENSECAG00000030748	-2.2081458	0.00062119	0.00207988
ENSECAG00000008335	-2.2083446	2.28E-07	1.86E-06
ENSECAG00000020108	-2.2095337	1.54E-05	7.93E-05
ENSECAG00000025597	-2.2096355	0.00034763	0.00125292
ENSECAG00000003802	-2.2104496	1.43E-06	9.60E-06
ENSECAG00000022605	-2.2108281	0.00027227	0.00101132
ENSECAG00000022044	-2.2112591	9.87E-09	1.12E-07
ENSECAG00000000538	-2.2112599	0.00035394	0.00127156
ENSECAG00000055789	-2.2124135	4.44E-08	4.29E-07
ENSECAG00000001197	-2.2135749	6.60E-07	4.80E-06
ENSECAG00000047207	-2.2137997	3.17E-10	4.98E-09
ENSECAG00000024597	-2.2144823	0.00371349	0.00995222
ENSECAG00000013026	-2.214749	7.81E-08	7.10E-07
ENSECAG00000019176	-2.2156357	0.00221223	0.00635078
ENSECAG00000033282	-2.2162018	0.00639968	0.01595528
ENSECAG00000005681	-2.2164178	3.54E-09	4.47E-08
ENSECAG00000015475	-2.2164937	0.001455	0.00439371
ENSECAG00000013931	-2.2178956	0.00058432	0.00196882
ENSECAG00000013036	-2.2182428	6.54E-18	3.87E-16
ENSECAG00000011349	-2.2194089	0.00042644	0.00149502
ENSECAG00000047267	-2.2209605	3.91E-06	2.34E-05
ENSECAG00000001276	-2.2211534	0.0029103	0.00803778
ENSECAG00000020215	-2.2219152	5.07E-06	2.94E-05
ENSECAG00000022969	-2.2225569	0.00334605	0.00909178
ENSECAG00000011351	-2.2225752	2.84E-05	0.00013703
ENSECAG00000049181	-2.223832	1.42E-10	2.38E-09
ENSECAG00000012311	-2.224016	0.00140653	0.00426695
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ENSECAG00000043214	-2.2295768	9.18E-07	6.44E-06

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ENSECAG00000019807	-2.2305967	0.00455251	0.01187744
ENSECAG00000015003	-2.2307403	1.68E-05	8.56E-05
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ENSECAG00000014698	-2.2365792	1.02E-11	2.10E-10
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ENSECAG00000010465	-2.2385439	2.40E-05	0.00011784
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ENSECAG00000021630	-2.444216	4.38E-06	2.58E-05
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ENSECAG00000038375	-2.4502511	4.47E-08	4.31E-07
ENSECAG00000053253	-2.4527626	1.40E-08	1.53E-07
ENSECAG00000030741	-2.4550691	0.00160403	0.00477851
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ENSECAG00000015313	-2.4577751	0.00648293	0.01612147
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ENSECAG00000044258	-2.459519	0.00743048	0.01812088
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ENSECAG00000009254	-2.4638312	1.51E-12	3.62E-11
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ENSECAG00000020979	-2.4662442	4.01E-13	1.07E-11
ENSECAG00000031375	-2.4664037	2.90E-08	2.93E-07
ENSECAG00000017701	-2.4670724	7.18E-07	5.16E-06
ENSECAG00000017268	-2.4675589	8.46E-06	4.65E-05
ENSECAG00000037218	-2.4681183	0.00447041	0.01168098
ENSECAG00000034702	-2.4681641	6.83E-15	2.45E-13
ENSECAG00000033160	-2.4685776	1.46E-07	1.25E-06
ENSECAG00000044130	-2.4689488	0.01437538	0.03188092
ENSECAG00000024615	-2.4698508	5.12E-05	0.00023251
ENSECAG00000020964	-2.4701293	0.00558458	0.01418314
ENSECAG00000049299	-2.4702172	8.69E-14	2.57E-12
ENSECAG00000009274	-2.4718782	0.00476031	0.01235469
ENSECAG00000015969	-2.4734604	1.17E-05	6.20E-05
ENSECAG00000003050	-2.4735742	5.91E-06	3.37E-05
ENSECAG00000022794	-2.4739417	0.00068949	0.00227685
ENSECAG00000009118	-2.4755424	1.39E-08	1.53E-07
ENSECAG00000012901	-2.4758329	9.80E-14	2.87E-12
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ENSECAG00000053816	-2.4782511	0.01343542	0.03006489
ENSECAG00000057512	-2.4797067	0.00050241	0.00172084
ENSECAG00000041352	-2.4798868	2.20E-07	1.80E-06
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ENSECAG00000017191	-2.7394088	1.55E-07	1.32E-06
ENSECAG00000047827	-2.7396969	1.63E-08	1.76E-07
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ENSECAG00000050422	-2.7432733	7.45E-07	5.34E-06
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ENSECAG00000012027	-2.7444841	8.32E-09	9.62E-08
ENSECAG00000059237	-2.7476459	1.46E-12	3.52E-11

ENSECAG00000012524	-2.7479295	8.14E-09	9.44E-08
ENSECAG00000024589	-2.7485751	4.75E-06	2.77E-05
ENSECAG00000003355	-2.7492249	1.57E-24	2.47E-22
ENSECAG00000048345	-2.7514184	2.98E-07	2.36E-06
ENSECAG00000019818	-2.7527447	3.74E-09	4.70E-08
ENSECAG00000045949	-2.7528201	1.50E-11	3.04E-10
ENSECAG00000046463	-2.7540056	2.34E-08	2.43E-07
ENSECAG00000000207	-2.7542006	6.55E-09	7.81E-08
ENSECAG00000015526	-2.7545224	0.01004023	0.02344645
ENSECAG00000041411	-2.7546216	2.52E-07	2.02E-06
ENSECAG00000021639	-2.7571908	0.00061522	0.00206083
ENSECAG00000060287	-2.7574707	0.00551792	0.01403567
ENSECAG00000051024	-2.7588525	2.36E-05	0.00011656
ENSECAG00000045754	-2.7604149	0.01187893	0.02708637
ENSECAG00000060082	-2.7620608	1.41E-09	1.94E-08
ENSECAG00000041634	-2.762067	0.00866898	0.02070732
ENSECAG00000012510	-2.7625362	3.81E-15	1.44E-13
ENSECAG00000010225	-2.763457	7.30E-10	1.06E-08
ENSECAG00000041639	-2.7634731	0.00278489	0.00772867
ENSECAG00000007956	-2.76393	0.00074478	0.00243664
ENSECAG00000056126	-2.7640223	0.00091041	0.00291044
ENSECAG00000002188	-2.7646162	3.02E-05	0.0001448
ENSECAG00000017862	-2.7649639	8.27E-19	5.67E-17
ENSECAG00000047581	-2.7672166	1.64E-15	6.57E-14
ENSECAG00000049081	-2.7673858	9.64E-07	6.74E-06
ENSECAG00000014484	-2.7674801	3.05E-08	3.07E-07
ENSECAG00000053917	-2.7681367	0.00375682	0.01005508
ENSECAG00000031932	-2.7686483	2.23E-06	1.42E-05
ENSECAG00000018039	-2.7695907	1.34E-07	1.16E-06
ENSECAG00000042902	-2.7696199	7.71E-11	1.37E-09
ENSECAG00000053144	-2.7701483	1.88E-05	9.51E-05
ENSECAG00000013341	-2.770176	1.24E-16	5.83E-15
ENSECAG00000009450	-2.7704532	3.95E-09	4.95E-08
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ENSECAG00000029964	-2.7738506	6.19E-23	7.43E-21
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ENSECAG00000023091	-2.7742744	7.41E-06	4.13E-05

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ENSECAG00000024872	-2.7756806	1.50E-06	1.00E-05
ENSECAG00000047272	-2.7766513	6.43E-15	2.31E-13
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ENSECAG00000017897	-2.777747	1.25E-06	8.53E-06
ENSECAG00000028354	-2.7778945	1.43E-07	1.23E-06
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ENSECAG00000021169	-2.7946488	5.83E-08	5.45E-07
ENSECAG00000047793	-2.7947909	4.11E-07	3.14E-06
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ENSECAG00000058540	-3.0348211	3.72E-07	2.88E-06
ENSECAG00000055377	-3.0354684	9.17E-07	6.44E-06
ENSECAG00000060252	-3.037026	5.41E-06	3.12E-05
ENSECAG00000045564	-3.0404136	3.92E-06	2.35E-05
ENSECAG00000054444	-3.0406499	7.91E-07	5.63E-06
ENSECAG00000050163	-3.0425314	0.00017385	0.00068157
ENSECAG00000048314	-3.042793	2.01E-08	2.13E-07
ENSECAG00000049792	-3.0432443	4.51E-05	0.00020752
ENSECAG00000054620	-3.0454043	0.00045214	0.00157303
ENSECAG00000054448	-3.0467847	2.70E-08	2.75E-07

ENSECAG00000003990	-3.0486991	1.08E-08	1.22E-07
ENSECAG00000014137	-3.0490548	1.19E-12	2.91E-11
ENSECAG00000044617	-3.0491892	4.61E-09	5.69E-08
ENSECAG00000059192	-3.0500116	0.00343059	0.00929099
ENSECAG00000046189	-3.0507386	1.06E-05	5.67E-05
ENSECAG00000048135	-3.0519024	1.62E-06	1.07E-05
ENSECAG00000024803	-3.0524794	3.12E-06	1.92E-05
ENSECAG00000007040	-3.0528863	2.94E-07	2.33E-06
ENSECAG00000046360	-3.0546669	0.01682692	0.0364782
ENSECAG00000025306	-3.0549119	1.15E-07	1.01E-06
ENSECAG00000007335	-3.0567967	0.00020404	0.00078477
ENSECAG00000060302	-3.0568503	0.0001859	0.00072181
ENSECAG00000038904	-3.0568609	3.83E-07	2.95E-06
ENSECAG00000058925	-3.0572736	0.01105152	0.02546476
ENSECAG00000015909	-3.0609022	2.79E-06	1.74E-05
ENSECAG00000014099	-3.0611906	0.00066528	0.00220633
ENSECAG00000035133	-3.0624397	3.19E-07	2.51E-06
ENSECAG00000022733	-3.0630754	0.00054911	0.00186417
ENSECAG00000014219	-3.0636922	1.33E-11	2.70E-10
ENSECAG00000016397	-3.0640941	0.00501284	0.0129141
ENSECAG00000017403	-3.0645019	2.48E-05	0.00012156
ENSECAG00000008479	-3.0648244	5.59E-08	5.26E-07
ENSECAG00000006567	-3.0667227	1.15E-08	1.28E-07
ENSECAG00000015732	-3.0672124	0.00151577	0.00455321
ENSECAG00000010533	-3.067234	3.30E-07	2.58E-06
ENSECAG00000018409	-3.0715236	4.11E-05	0.00019089
ENSECAG00000057326	-3.0732622	7.66E-13	1.93E-11
ENSECAG00000059433	-3.0737415	3.92E-06	2.34E-05
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ENSECAG00000024305	-3.0750412	2.97E-07	2.36E-06
ENSECAG00000022144	-3.0764912	2.93E-05	0.00014122
ENSECAG00000045315	-3.0768669	3.34E-07	2.61E-06
ENSECAG00000054397	-3.0809691	0.01132115	0.02600291
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ENSECAG00000050003	-3.085171	1.68E-07	1.42E-06
ENSECAG00000015199	-3.0881709	9.35E-08	8.33E-07
ENSECAG00000053607	-3.0895536	7.92E-06	4.38E-05
ENSECAG00000023276	-3.0904424	0.00069424	0.00229083
ENSECAG00000017481	-3.0916386	0.00058698	0.00197688
ENSECAG00000012762	-3.0918619	6.74E-07	4.88E-06
ENSECAG00000014658	-3.0938134	6.66E-06	3.76E-05
ENSECAG00000053851	-3.0939891	8.25E-09	9.56E-08

ENSECAG00000009238	-3.0960189	0.00101334	0.00320102
ENSECAG00000016623	-3.0967679	1.05E-10	1.83E-09
ENSECAG00000035160	-3.0972311	1.80E-07	1.51E-06
ENSECAG00000024330	-3.0973672	0.0050056	0.01289693
ENSECAG00000054988	-3.097594	0.00058184	0.00196164
ENSECAG00000013590	-3.0993253	2.83E-11	5.45E-10
ENSECAG00000010833	-3.0993606	3.11E-08	3.12E-07
ENSECAG00000053286	-3.1042137	1.12E-05	5.98E-05
ENSECAG00000011771	-3.1047734	9.13E-08	8.16E-07
ENSECAG00000046518	-3.1051515	9.65E-18	5.57E-16
ENSECAG00000031668	-3.1056045	1.46E-15	5.89E-14
ENSECAG00000055835	-3.1092664	0.00168612	0.00499909
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ENSECAG00000015046	-3.110851	3.81E-06	2.29E-05
ENSECAG00000047234	-3.1112032	0.00535289	0.01367817
ENSECAG00000039992	-3.1123845	2.11E-06	1.36E-05
ENSECAG00000051756	-3.1139391	6.07E-07	4.45E-06
ENSECAG00000045200	-3.1152075	4.90E-23	5.98E-21
ENSECAG00000024535	-3.1158645	1.81E-09	2.47E-08
ENSECAG00000007138	-3.1163159	5.40E-15	1.97E-13
ENSECAG00000056252	-3.1198102	0.0010374	0.00326459
ENSECAG00000059633	-3.1199991	0.00846637	0.02029059
ENSECAG00000052834	-3.1206689	4.53E-08	4.36E-07
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ENSECAG00000021803	-3.1388621	7.71E-10	1.12E-08
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ENSECAG00000048758	-3.1394404	2.59E-08	2.66E-07
ENSECAG00000049752	-3.1424902	0.00021753	0.00082958
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ENSECAG00000053071	-3.1470503	1.09E-08	1.23E-07

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ENSECAG000000004381	-3.1612187	5.18E-06	3.00E-05
ENSECAG000000030856	-3.1615992	1.37E-08	1.50E-07
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ENSECAG000000043029	-3.1807257	4.34E-11	8.09E-10
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ENSECAG00000025148	-3.3280023	1.87E-08	2.00E-07
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ENSECAG00000001004	-3.3417614	1.37E-10	2.31E-09
ENSECAG00000038147	-3.3446578	0.0009449	0.00300821
ENSECAG00000047159	-3.3452661	1.57E-11	3.16E-10
ENSECAG00000016163	-3.3461801	0.00087043	0.00279988
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ENSECAG00000018053	-3.3580895	0.00088855	0.00285076
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ENSECAG00000028980	-3.3742245	1.31E-12	3.17E-11
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ENSECAG00000026977	-3.3790263	1.53E-06	1.02E-05
ENSECAG00000002332	-3.3805395	1.43E-06	9.58E-06
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ENSECAG00000008621	-3.3897366	1.03E-06	7.14E-06
ENSECAG00000005738	-3.3918894	6.73E-07	4.88E-06
ENSECAG00000049561	-3.3946193	9.20E-06	5.01E-05
ENSECAG00000057612	-3.3952494	0.00030385	0.00111363
ENSECAG00000021800	-3.398877	1.86E-05	9.40E-05
ENSECAG00000030307	-3.3988884	6.33E-08	5.88E-07
ENSECAG00000008810	-3.4029135	2.20E-08	2.30E-07
ENSECAG00000052198	-3.4042146	1.08E-06	7.47E-06
ENSECAG00000017843	-3.4044864	8.17E-11	1.45E-09
ENSECAG00000027210	-3.4048228	3.10E-13	8.41E-12

ENSECAG00000050225	-3.4078151	0.016318	0.03555749
ENSECAG00000022689	-3.4090622	2.51E-07	2.02E-06
ENSECAG00000022928	-3.4105121	1.03E-09	1.45E-08
ENSECAG00000059914	-3.4142191	1.19E-10	2.04E-09
ENSECAG00000004708	-3.4146564	1.23E-05	6.51E-05
ENSECAG00000038087	-3.4160468	0.00855415	0.02047682
ENSECAG00000017495	-3.4164225	4.39E-11	8.17E-10
ENSECAG00000013613	-3.4185243	4.84E-14	1.52E-12
ENSECAG00000008983	-3.4201076	1.09E-18	7.26E-17
ENSECAG00000043211	-3.4207361	0.00013104	0.00053161
ENSECAG00000009123	-3.4224219	0.00024712	0.00092823
ENSECAG00000046571	-3.4259916	1.35E-06	9.14E-06
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ENSECAG00000043493	-3.4273205	3.05E-08	3.07E-07
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ENSECAG00000045575	-3.4344475	9.96E-08	8.82E-07
ENSECAG00000020613	-3.4367772	2.88E-09	3.73E-08
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ENSECAG00000053211	-3.4410185	8.47E-07	5.99E-06
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ENSECAG00000023443	-3.4437706	4.21E-06	2.49E-05
ENSECAG00000023550	-3.4449139	4.00E-06	2.38E-05
ENSECAG00000029340	-3.4500812	0.00192113	0.00561024
ENSECAG00000036190	-3.4502439	4.33E-06	2.56E-05
ENSECAG00000022329	-3.4508512	1.26E-13	3.60E-12
ENSECAG00000052724	-3.4532223	0.0023768	0.00675468
ENSECAG00000037686	-3.4541667	0.00076819	0.00250453
ENSECAG00000034443	-3.4554696	0.00396561	0.01054571
ENSECAG00000019084	-3.4554992	1.57E-07	1.33E-06
ENSECAG00000049487	-3.4559815	0.00015599	0.0006198
ENSECAG00000011289	-3.4585389	0.00012202	0.00050039
ENSECAG00000014930	-3.4609265	0.00066007	0.00219101
ENSECAG00000022594	-3.46134	4.89E-10	7.38E-09
ENSECAG00000014454	-3.4628087	0.00045733	0.00158911
ENSECAG00000016177	-3.4634661	3.96E-07	3.04E-06
ENSECAG00000019422	-3.4682442	7.26E-07	5.22E-06
ENSECAG00000013249	-3.4691291	0.00049136	0.0016887
ENSECAG00000020713	-3.469593	7.79E-05	0.00033845
ENSECAG00000046499	-3.4707427	0.00263343	0.00738075
ENSECAG00000010741	-3.4722771	9.99E-08	8.84E-07
ENSECAG00000009548	-3.4725434	5.13E-05	0.00023265

ENSECAG00000021775	-3.4733526	1.33E-06	9.00E-06
ENSECAG00000024570	-3.4745644	5.21E-05	0.00023591
ENSECAG00000051798	-3.4748447	0.00014818	0.0005932
ENSECAG00000043793	-3.4759127	1.60E-05	8.21E-05
ENSECAG00000006590	-3.4809947	9.51E-12	1.98E-10
ENSECAG00000056892	-3.4820294	6.86E-06	3.86E-05
ENSECAG00000008500	-3.4839817	0.0001254	0.00051199
ENSECAG00000024922	-3.4868781	1.80E-06	1.18E-05
ENSECAG00000050336	-3.48905	3.80E-07	2.93E-06
ENSECAG00000018724	-3.490881	6.93E-06	3.89E-05
ENSECAG00000013207	-3.4911479	8.06E-13	2.02E-11
ENSECAG00000000972	-3.4925772	1.52E-23	1.99E-21
ENSECAG00000054874	-3.4949094	0.00070183	0.00231077
ENSECAG00000009139	-3.4963574	1.42E-05	7.40E-05
ENSECAG00000038698	-3.500267	5.06E-14	1.58E-12
ENSECAG00000009064	-3.5010845	0.00013301	0.0005384
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ENSECAG00000037587	-3.5032588	0.00018793	0.00072806
ENSECAG00000030609	-3.5052228	1.52E-07	1.30E-06
ENSECAG00000039156	-3.507445	0.00026419	0.00098608
ENSECAG00000047054	-3.508756	0.01577074	0.03454352
ENSECAG00000050106	-3.5108556	9.49E-05	0.00040156
ENSECAG00000054202	-3.5118328	3.80E-10	5.86E-09
ENSECAG00000031586	-3.5122532	0.00277723	0.00771411
ENSECAG00000057997	-3.5131176	1.32E-05	6.93E-05
ENSECAG00000017316	-3.515893	6.83E-06	3.84E-05
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ENSECAG00000012819	-3.5194033	0.00146639	0.00442331
ENSECAG00000024814	-3.5201339	0.00026753	0.00099672
ENSECAG00000058897	-3.5211074	5.02E-07	3.77E-06
ENSECAG00000049679	-3.5220417	0.00010501	0.00044018
ENSECAG00000051134	-3.5225784	8.22E-06	4.53E-05
ENSECAG00000056263	-3.5228008	4.97E-07	3.74E-06
ENSECAG00000053096	-3.5244549	2.42E-05	0.00011898
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ENSECAG00000046822	-3.5281014	0.00542166	0.01382732
ENSECAG00000058652	-3.5283509	7.83E-07	5.58E-06
ENSECAG00000015294	-3.5286779	5.36E-06	3.09E-05
ENSECAG00000016380	-3.529698	4.62E-05	0.00021195
ENSECAG00000051020	-3.5308464	3.88E-08	3.80E-07
ENSECAG00000017015	-3.5372418	9.40E-23	1.08E-20
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ENSECAG00000056801	-3.5511294	3.28E-15	1.25E-13
ENSECAG00000048406	-3.5547496	0.01345469	0.03009071
ENSECAG00000049903	-3.560637	6.88E-06	3.86E-05
ENSECAG00000006873	-3.5607075	2.32E-08	2.41E-07
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ENSECAG00000046564	-4.0061881	2.76E-10	4.38E-09

ENSECAG00000011573	-4.008312	2.30E-09	3.05E-08
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ENSECAG00000052178	-4.126927	0.00141592	0.00428988
ENSECAG00000017600	-4.1278639	3.22E-06	1.97E-05
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ENSECAG00000057809	-4.1328869	1.72E-06	1.13E-05
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ENSECAG00000000649	-4.143882	1.32E-19	1.03E-17

ENSECAG00000053284	-4.1450901	4.60E-07	3.49E-06
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ENSECAG00000047135	-4.1576327	1.60E-05	8.23E-05
ENSECAG00000024183	-4.1592044	7.43E-08	6.79E-07
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ENSECAG00000032823	-4.2349331	1.22E-06	8.32E-06
ENSECAG00000024893	-4.2359375	1.96E-07	1.62E-06
ENSECAG00000058083	-4.2392889	1.99E-05	9.97E-05
ENSECAG00000050806	-4.2510246	2.73E-06	1.70E-05
ENSECAG00000015092	-4.2527413	0.00032871	0.0011929
ENSECAG00000006816	-4.2691303	0.00127081	0.00389807
ENSECAG00000033181	-4.2702924	6.93E-06	3.89E-05
ENSECAG00000058745	-4.2716514	2.71E-06	1.69E-05
ENSECAG00000022234	-4.2717882	1.12E-05	5.96E-05
ENSECAG00000015072	-4.2726517	0.00107105	0.0033511
ENSECAG00000010056	-4.2751642	5.88E-14	1.81E-12
ENSECAG00000050413	-4.2783358	0.00038539	0.00136697
ENSECAG00000046530	-4.279614	8.43E-11	1.49E-09
ENSECAG00000050546	-4.2842022	4.90E-07	3.69E-06
ENSECAG00000026855	-4.2854061	7.43E-09	8.72E-08
ENSECAG00000052034	-4.2864903	0.00090703	0.00290254
ENSECAG00000007354	-4.2971895	8.21E-05	0.00035381
ENSECAG00000046146	-4.3021934	3.19E-09	4.08E-08
ENSECAG00000055078	-4.3105671	0.00348279	0.00940614
ENSECAG00000046403	-4.3126675	0.00017865	0.00069744
ENSECAG00000012284	-4.3148232	8.62E-06	4.72E-05
ENSECAG00000015255	-4.3184171	1.12E-05	5.97E-05

ENSECAG00000020439	-4.3204384	0.00163553	0.00486133
ENSECAG00000016679	-4.3297626	5.61E-13	1.46E-11
ENSECAG00000050567	-4.333724	3.41E-05	0.00016172
ENSECAG00000016114	-4.3342342	3.93E-15	1.47E-13
ENSECAG00000047019	-4.3343668	6.65E-07	4.83E-06
ENSECAG00000029689	-4.3347452	3.71E-11	7.00E-10
ENSECAG00000043355	-4.3395777	4.19E-06	2.48E-05
ENSECAG00000054788	-4.3398706	8.39E-06	4.62E-05
ENSECAG00000014778	-4.3479491	4.68E-07	3.54E-06
ENSECAG00000050669	-4.3492394	9.56E-05	0.00040403
ENSECAG00000006269	-4.3536583	7.43E-13	1.88E-11
ENSECAG00000045612	-4.3544848	1.73E-09	2.36E-08
ENSECAG00000043870	-4.3631544	6.09E-08	5.68E-07
ENSECAG00000057209	-4.3882268	0.0007986	0.00259376
ENSECAG00000000408	-4.3915995	0.00016161	0.0006393
ENSECAG00000005999	-4.396252	4.51E-06	2.65E-05
ENSECAG00000053471	-4.397663	1.18E-25	2.26E-23
ENSECAG00000060032	-4.4039298	5.50E-07	4.10E-06
ENSECAG00000026067	-4.4041798	1.78E-15	7.04E-14
ENSECAG00000006510	-4.405356	8.73E-09	1.00E-07
ENSECAG00000053970	-4.4063684	2.41E-11	4.67E-10
ENSECAG00000051385	-4.4107698	2.30E-10	3.72E-09
ENSECAG00000045894	-4.4148189	0.00094272	0.00300298
ENSECAG00000055451	-4.4185105	0.0004705	0.00162826
ENSECAG00000025897	-4.4227802	1.45E-06	9.73E-06
ENSECAG00000021063	-4.4282532	1.06E-11	2.18E-10
ENSECAG00000054415	-4.4302184	3.16E-06	1.94E-05
ENSECAG00000010460	-4.4330855	0.00053487	0.00182171
ENSECAG00000006102	-4.4338802	3.48E-05	0.00016455
ENSECAG00000010979	-4.4375055	5.56E-07	4.13E-06
ENSECAG00000054608	-4.438194	0.00010125	0.0004261
ENSECAG00000007161	-4.4400553	1.97E-05	9.92E-05
ENSECAG00000006970	-4.4425301	0.00017096	0.00067104
ENSECAG00000018282	-4.4472851	0.00012255	0.00050204
ENSECAG00000009405	-4.4515971	3.80E-14	1.21E-12
ENSECAG00000057201	-4.4566252	2.12E-05	0.00010547
ENSECAG00000033315	-4.4592151	0.00046735	0.00161862
ENSECAG00000052907	-4.4597901	3.90E-05	0.0001823
ENSECAG00000051956	-4.4601474	4.85E-13	1.27E-11
ENSECAG00000009466	-4.4636072	3.00E-07	2.37E-06
ENSECAG00000048997	-4.4687427	0.0049467	0.01277317
ENSECAG00000035840	-4.4699726	0.00084657	0.00273255
ENSECAG00000011748	-4.4902235	2.22E-25	4.04E-23

ENSECAG00000006499	-4.4932641	1.75E-14	5.84E-13
ENSECAG00000036062	-4.4982548	7.50E-09	8.80E-08
ENSECAG00000029359	-4.5022051	2.47E-06	1.56E-05
ENSECAG00000051844	-4.5034519	0.00022413	0.00085264
ENSECAG00000010887	-4.5059402	5.09E-14	1.59E-12
ENSECAG00000047312	-4.5159129	0.00046865	0.00162264
ENSECAG00000021577	-4.5177796	6.07E-15	2.20E-13
ENSECAG00000011028	-4.5206249	2.95E-09	3.80E-08
ENSECAG00000051996	-4.5247537	2.23E-05	0.00011024
ENSECAG00000051152	-4.5253426	1.84E-09	2.50E-08
ENSECAG00000052678	-4.527078	6.91E-06	3.88E-05
ENSECAG00000013430	-4.5474589	2.49E-07	2.01E-06
ENSECAG00000051490	-4.5548207	0.00018708	0.00072553
ENSECAG00000040082	-4.561357	1.84E-09	2.50E-08
ENSECAG00000000714	-4.5652563	6.61E-06	3.73E-05
ENSECAG00000006257	-4.566235	6.15E-13	1.59E-11
ENSECAG00000049807	-4.5677299	3.08E-08	3.09E-07
ENSECAG00000052813	-4.5723296	1.51E-05	7.80E-05
ENSECAG00000046720	-4.5782171	1.19E-07	1.04E-06
ENSECAG00000045399	-4.5791329	0.02310752	0.04781118
ENSECAG00000000087	-4.600358	5.03E-05	0.0002289
ENSECAG00000012063	-4.6104459	0.00069449	0.00229133
ENSECAG00000023997	-4.6171159	5.23E-17	2.64E-15
ENSECAG00000023439	-4.6276071	2.58E-06	1.62E-05
ENSECAG00000004805	-4.6367206	3.59E-14	1.14E-12
ENSECAG00000054437	-4.641418	0.00014734	0.00059004
ENSECAG00000043059	-4.6417064	7.65E-09	8.94E-08
ENSECAG00000041919	-4.6459811	1.70E-08	1.83E-07
ENSECAG00000036742	-4.6540862	0.00069677	0.00229715
ENSECAG00000058659	-4.6669803	7.44E-06	4.15E-05
ENSECAG00000055222	-4.695132	1.32E-06	8.97E-06
ENSECAG00000060324	-4.6953374	0.00015643	0.00062111
ENSECAG00000034320	-4.6962013	4.48E-05	0.00020644
ENSECAG00000014951	-4.6966435	1.42E-07	1.22E-06
ENSECAG00000029384	-4.6966497	0.00022067	0.00084063
ENSECAG00000049934	-4.6973677	6.29E-05	0.00027971
ENSECAG00000045919	-4.6997624	1.13E-10	1.96E-09
ENSECAG00000010498	-4.7051037	5.03E-05	0.00022878
ENSECAG00000036496	-4.7160032	4.02E-06	2.39E-05
ENSECAG00000045846	-4.7272872	0.00230435	0.00657895
ENSECAG00000048920	-4.7439412	0.00196381	0.00572291
ENSECAG00000028394	-4.7530954	0.00076243	0.00248863
ENSECAG00000036987	-4.7574821	2.87E-05	0.00013828

ENSECAG00000048692	-4.7782309	1.02E-07	9.05E-07
ENSECAG00000013941	-4.7874545	1.88E-08	2.01E-07
ENSECAG00000045145	-4.8029383	7.45E-08	6.80E-07
ENSECAG00000011682	-4.8267138	1.61E-05	8.26E-05
ENSECAG00000000719	-4.8345455	2.00E-10	3.26E-09
ENSECAG00000051885	-4.8457667	0.00454484	0.01185882
ENSECAG00000034392	-4.8548536	2.21E-05	0.00010978
ENSECAG00000040341	-4.8656838	4.29E-05	0.00019876
ENSECAG00000035776	-4.8875323	0.00013735	0.00055373
ENSECAG00000023678	-4.8919709	4.03E-09	5.04E-08
ENSECAG00000051836	-4.9207922	2.94E-08	2.97E-07
ENSECAG00000011971	-4.9309127	2.27E-09	3.03E-08
ENSECAG00000044993	-4.937595	6.60E-09	7.85E-08
ENSECAG00000011561	-4.9435559	9.28E-08	8.28E-07
ENSECAG00000045432	-4.9706695	1.39E-14	4.72E-13
ENSECAG00000040431	-4.9720292	5.16E-09	6.29E-08
ENSECAG00000060274	-4.9819758	7.96E-05	0.00034479
ENSECAG00000036200	-4.9840153	1.26E-16	5.91E-15
ENSECAG00000049193	-4.9998155	2.64E-09	3.45E-08
ENSECAG00000042866	-5.0004422	5.33E-09	6.46E-08
ENSECAG00000007171	-5.0210036	1.27E-10	2.16E-09
ENSECAG00000000336	-5.021642	3.03E-10	4.77E-09
ENSECAG00000007982	-5.0219586	0.00076557	0.00249707
ENSECAG00000007246	-5.0440498	2.06E-05	0.00010301
ENSECAG00000001890	-5.0452558	1.49E-07	1.28E-06
ENSECAG00000054211	-5.0477443	1.50E-07	1.28E-06
ENSECAG00000022713	-5.0565159	8.26E-05	0.00035588
ENSECAG00000037073	-5.0631625	5.09E-05	0.00023135
ENSECAG00000039036	-5.0652956	2.69E-06	1.68E-05
ENSECAG00000043069	-5.0785679	0.00011607	0.00047934
ENSECAG00000015117	-5.0909182	0.00031376	0.00114545
ENSECAG00000016275	-5.1010662	1.82E-07	1.53E-06
ENSECAG00000048309	-5.1225401	5.05E-09	6.18E-08
ENSECAG00000010879	-5.1314249	5.25E-08	4.98E-07
ENSECAG00000034517	-5.1360258	4.61E-06	2.70E-05
ENSECAG00000048081	-5.1462161	8.58E-05	0.00036806
ENSECAG00000039616	-5.150938	7.65E-07	5.47E-06
ENSECAG00000060056	-5.1531062	8.14E-06	4.49E-05
ENSECAG00000044983	-5.1538641	0.00093698	0.00298641
ENSECAG00000039858	-5.1573948	4.41E-05	0.00020359
ENSECAG00000035661	-5.1830328	2.04E-06	1.31E-05
ENSECAG00000049655	-5.193942	3.81E-08	3.74E-07
ENSECAG00000014337	-5.1984572	1.65E-13	4.68E-12

ENSECAG00000045076	-5.215626	3.59E-15	1.36E-13
ENSECAG00000047284	-5.2236505	1.67E-15	6.66E-14
ENSECAG00000045582	-5.2541153	1.53E-07	1.31E-06
ENSECAG00000001503	-5.2571723	4.78E-10	7.23E-09
ENSECAG00000024445	-5.2593945	6.19E-20	5.07E-18
ENSECAG00000048059	-5.2801823	8.41E-07	5.95E-06
ENSECAG00000055784	-5.299116	1.19E-06	8.18E-06
ENSECAG00000018484	-5.3152659	1.92E-06	1.25E-05
ENSECAG00000051879	-5.3194149	0.00065399	0.00217277
ENSECAG00000013296	-5.3242379	9.45E-05	0.00040035
ENSECAG00000054222	-5.3493565	1.19E-05	6.28E-05
ENSECAG00000009662	-5.3650272	1.15E-14	3.95E-13
ENSECAG00000058527	-5.3663368	0.00199921	0.00581699
ENSECAG00000044498	-5.3735941	1.21E-07	1.06E-06
ENSECAG00000031657	-5.3791879	2.37E-10	3.82E-09
ENSECAG00000049937	-5.3947827	2.92E-11	5.61E-10
ENSECAG00000013767	-5.4020817	3.43E-05	0.00016232
ENSECAG00000015178	-5.4384147	1.94E-05	9.74E-05
ENSECAG00000050938	-5.4384864	4.87E-10	7.36E-09
ENSECAG00000050449	-5.4593219	0.00024511	0.00092162
ENSECAG00000049656	-5.4668511	3.41E-06	2.07E-05
ENSECAG00000049646	-5.4758948	6.29E-10	9.33E-09
ENSECAG00000048880	-5.4971796	3.08E-05	0.00014757
ENSECAG00000054306	-5.5263512	4.96E-07	3.73E-06
ENSECAG00000035079	-5.5347894	7.56E-06	4.20E-05
ENSECAG00000057616	-5.5388563	2.32E-07	1.89E-06
ENSECAG00000030012	-5.5440869	2.43E-10	3.90E-09
ENSECAG00000046727	-5.5574544	8.87E-10	1.27E-08
ENSECAG00000045648	-5.5716745	2.37E-05	0.00011685
ENSECAG00000001908	-5.5767854	6.14E-11	1.11E-09
ENSECAG00000049360	-5.6122387	0.00012023	0.00049451
ENSECAG00000016151	-5.6191848	1.38E-15	5.58E-14
ENSECAG00000052559	-5.623273	0.00011065	0.00046077
ENSECAG00000002951	-5.6301924	1.64E-05	8.39E-05
ENSECAG00000042559	-5.6366486	9.77E-06	5.30E-05
ENSECAG00000048813	-5.6380076	3.70E-07	2.86E-06
ENSECAG00000053564	-5.6403446	3.69E-10	5.70E-09
ENSECAG00000043273	-5.654256	0.00071881	0.0023597
ENSECAG00000035263	-5.6564339	3.63E-09	4.58E-08
ENSECAG00000020100	-5.6586139	2.01E-13	5.60E-12
ENSECAG00000056584	-5.678669	1.27E-06	8.65E-06
ENSECAG00000048751	-5.6895657	2.70E-09	3.52E-08
ENSECAG00000029396	-5.718295	2.00E-05	0.00010045

ENSECAG00000043910	-5.7275209	4.72E-07	3.57E-06
ENSECAG00000036932	-5.740868	5.48E-08	5.17E-07
ENSECAG00000051092	-5.7417693	3.44E-05	0.00016263
ENSECAG00000051794	-5.7639331	0.0001849	0.0007187
ENSECAG00000008818	-5.786768	6.13E-11	1.11E-09
ENSECAG00000010000	-5.7880979	2.88E-15	1.11E-13
ENSECAG00000044231	-5.789782	5.94E-05	0.00026531
ENSECAG00000056425	-5.7911311	9.49E-05	0.00040156
ENSECAG00000052349	-5.8016289	1.34E-05	7.02E-05
ENSECAG00000047917	-5.8035389	2.84E-10	4.48E-09
ENSECAG00000047984	-5.8270781	0.00036195	0.00129595
ENSECAG00000049300	-5.8629817	2.39E-08	2.48E-07
ENSECAG00000035272	-5.8817136	1.52E-06	1.01E-05
ENSECAG00000055127	-5.8877513	1.92E-08	2.04E-07
ENSECAG00000041688	-5.8951502	4.02E-10	6.16E-09
ENSECAG00000060097	-5.9090606	0.01048384	0.02435258
ENSECAG00000024521	-5.93226	9.18E-08	8.20E-07
ENSECAG00000049803	-5.9576417	1.27E-11	2.59E-10
ENSECAG00000051539	-5.9825562	1.60E-11	3.22E-10
ENSECAG00000001002	-6.0707007	3.37E-15	1.28E-13
ENSECAG00000043555	-6.089481	1.50E-08	1.62E-07
ENSECAG00000058842	-6.0901445	5.00E-15	1.84E-13
ENSECAG00000015877	-6.1133985	7.59E-08	6.92E-07
ENSECAG00000008543	-6.1378705	1.32E-09	1.83E-08
ENSECAG00000053613	-6.1424019	4.17E-11	7.79E-10
ENSECAG00000052443	-6.156057	1.48E-06	9.91E-06
ENSECAG00000049237	-6.1770541	8.53E-12	1.79E-10
ENSECAG00000034958	-6.1813095	1.21E-09	1.69E-08
ENSECAG00000022198	-6.1921989	2.21E-08	2.31E-07
ENSECAG00000040822	-6.2097907	0.00030486	0.00111644
ENSECAG00000010697	-6.2136205	3.16E-06	1.94E-05
ENSECAG00000001081	-6.2285837	1.65E-06	1.09E-05
ENSECAG00000012049	-6.2392951	9.75E-08	8.66E-07
ENSECAG00000048531	-6.2729323	1.09E-09	1.54E-08
ENSECAG00000059966	-6.3315742	5.28E-06	3.05E-05
ENSECAG00000024936	-6.3777946	9.78E-09	1.11E-07
ENSECAG00000004201	-6.4061779	2.77E-06	1.73E-05
ENSECAG00000060113	-6.4445447	1.76E-09	2.40E-08
ENSECAG00000053836	-6.4462372	3.33E-09	4.23E-08
ENSECAG00000052248	-6.4662921	2.48E-06	1.56E-05
ENSECAG00000034235	-6.4894142	6.53E-08	6.05E-07
ENSECAG00000047459	-6.5372854	2.90E-09	3.75E-08
ENSECAG00000050619	-6.7100054	0.00040898	0.00143991

ENSECAG00000002228	-6.8228303	7.08E-10	1.04E-08
ENSECAG000000046284	-6.8599111	1.66E-15	6.62E-14
ENSECAG000000028903	-6.9901021	2.49E-12	5.70E-11
ENSECAG000000058138	-7.0445323	7.47E-11	1.33E-09
ENSECAG000000036708	-7.0565595	4.55E-13	1.20E-11
ENSECAG000000059472	-7.0690253	1.93E-18	1.23E-16
ENSECAG000000060202	-7.2326224	4.12E-05	0.00019159
ENSECAG000000010565	-7.4930935	3.35E-19	2.45E-17
ENSECAG000000044821	-7.521163	1.16E-16	5.50E-15
ENSECAG000000015736	-7.5958989	7.30E-10	1.06E-08
ENSECAG000000022852	-7.7556143	5.62E-06	3.22E-05
ENSECAG000000012299	-7.7864294	4.89E-11	9.04E-10
ENSECAG000000000182	-8.0015094	1.41E-12	3.40E-11
ENSECAG000000020648	-8.4321626	3.81E-18	2.33E-16
ENSECAG000000002542	-8.5173182	2.03E-14	6.72E-13
ENSECAG000000050616	-8.6654874	3.42E-12	7.63E-11
ENSECAG000000029574	-9.6828414	1.55E-20	1.34E-18
ENSECAG000000028328	-22.247708	6.86E-14	2.09E-12

Supplementary Table S5. Term Category retrieved with Gene Ontology (GO) enrichment analyses in the category “Molecular function ” for genes found to be up-regulated in the sarcoid group compared to the control group

<i>Descrizione</i>	<i>FDR</i>	<i>Geni background</i>	<i>Geni UP-regolati</i>
<i>Signaling receptor binding</i>	1.75E-19	1421	54
<i>Cytokine activity</i>	1.91E-14	228	23
<i>Glycosaminoglycan binding</i>	2.85E-10	218	19
<i>Peptidase regulator activity</i>	8.68E-10	201	18
<i>Collagen binding</i>	3.98E-09	62	12
<i>Growth factor activity</i>	6.81E-09	140	15
<i>Growth factor binding</i>	2.14E-06	117	12
<i>Metallopeptidase activity</i>	4.03E-05	193	13
<i>Cytokine receptor binding</i>	0.000179	222	13
<i>Platelet-derived growth factor binding</i>	0.000256	8	5
<i>Carboxypeptidase activity</i>	0.0014	44	6
<i>Insulin-like growth factor I binding</i>	0.0021	10	4
<i>Protein-lysine 6-oxidase activity</i>	0.00315	5	4
<i>Chemoattractant activity</i>	0.0059	33	5
<i>Integrin binding</i>	0.0092	100	7
<i>Chemokine activity</i>	0.00968	41	6
<i>ECM-receptor interaction</i>	5.46E-06	101	11
<i>AGE-RAGE signaling pathway in diabetic complications</i>	0.00111	105	9

Supplementaary Table S6. Term Category retrieved with Gene Ontology (GO) enrichment analyses in the category “Molecular function ” for genes found to be down-regulated in the sarcoid group compared to the control group

<i>Descrizione</i>	<i>FDR</i>	<i>Geni background</i>	<i>Geni UP-regolati</i>
<i>Channel activity</i>	7.39E-10	459	88
<i>Metal ion transmembrane transporter activity</i>	6.01E-08	417	76
<i>Calcium ion binding</i>	3.11E-05	636	91
<i>Sodium ion transmembrane transporter activity</i>	0.00136	148	33
<i>Ligand-gated ion channel activity</i>	0.0019	129	28
<i>Active ion transmembrane transporter activity</i>	0.0069	219	37
<i>Arachidonic acid metabolism</i>	0.00648	143	31
<i>Neuroactive ligand-receptor interaction</i>	0.00648	397	60

Supplementary table S7. DEGs of DE miRNA-DEG couples (up-regulated miRNAs - down-regulated targets) selected for KEGG pathways enrichment analysis.

Bindin g site	DOWN- regulated Target	miRN A hits	UP-regulated miRNAs
3-prime UTR	ABCC11	10	miR-1197;miR-216b-5p;miR-382-5p;miR-431-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
	ABHD2	12	miR-1193;miR-1197;miR-134-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-377-3p;miR-379-5p;miR-381-3p;miR-487b-3p;miR-493-3p;miR-758-3p
	ABLM1	12	miR-1185-5p;miR-379-5p;miR-411-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-494-3p;miR-541-5p;miR-542-3p
	ABLM2	10	miR-127-3p;miR-329-3p;miR-411-5p;miR-412-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-496;miR-615-3p
	ACOX1	15	miR-1185-5p;miR-1197;miR-127-3p;miR-369-3p;miR-376c-3p;miR-381-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487a-5p;miR-495-3p;miR-539-5p;miR-543;miR-758-3p;miR-92b-3p
	ADD2	18	miR-1185-5p;miR-127-3p;miR-134-5p;miR-329-3p;miR-337-5p;miR-376a-3p;miR-376b-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-496;miR-615-3p
	AFF2	21	miR-1185-5p;miR-1193;miR-127-3p;miR-136-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-542-3p;miR-615-3p;miR-758-3p
	AGPAT3	10	miR-134-5p;miR-154-5p;miR-299-3p;miR-337-5p;miR-412-3p;miR-431-3p;miR-485-5p;miR-503-5p;miR-543;miR-615-3p
	AJUBA	10	miR-127-3p;miR-216b-5p;miR-432-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-542-3p;miR-92b-3p
	APOL6	12	miR-1193;miR-134-5p;miR-382-5p;miR-409-3p;miR-424-5p;miR-432-5p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-503-5p;miR-541-5p;miR-758-3p
	AR	11	miR-127-3p;miR-299-3p;miR-337-5p;miR-370-3p;miR-376b-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-541-5p
	ARHGAP4 4	12	miR-134-5p;miR-136-5p;miR-154-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-485-3p;miR-493-3p;miR-496;miR-758-3p;miR-92b-3p
	ARHGEF3 7	12	miR-134-5p;miR-323a-3p;miR-337-5p;miR-381-3p;miR-424-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
	ATP8A2	10	miR-127-3p;miR-329-3p;miR-381-3p;miR-409-3p;miR-487b-3p;miR-493-3p;miR-496;miR-539-5p;miR-615-3p;miR-758-3p

B3GALT5	17	miR-1193;miR-1197;miR-134-5p;miR-299-3p;miR-370-3p;miR-377-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p
B4GALNT2	14	miR-1185-5p;miR-1197;miR-216b-5p;miR-329-3p;miR-337-5p;miR-382-5p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-758-3p;miR-92b-3p
BACH2	11	miR-134-5p;miR-218-5p;miR-337-5p;miR-376c-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-487b-3p;miR-503-5p;miR-544a;miR-758-3p
BAIAP2	10	miR-134-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-409-3p;miR-433-3p;miR-485-5p;miR-503-5p;miR-615-3p;miR-758-3p
BCAS1	12	miR-127-3p;miR-134-5p;miR-299-3p;miR-329-3p;miR-382-5p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-539-5p;miR-615-3p;miR-92b-3p
BCL7A	13	miR-1193;miR-127-3p;miR-299-3p;miR-370-3p;miR-379-5p;miR-409-3p;miR-410-3p;miR-424-5p;miR-431-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p
C10orf105	10	miR-1193;miR-127-3p;miR-136-5p;miR-216b-5p;miR-432-5p;miR-485-5p;miR-493-3p;miR-503-5p;miR-615-3p;miR-92b-3p
C10orf67	13	miR-1185-5p;miR-1193;miR-216b-5p;miR-337-5p;miR-370-3p;miR-382-5p;miR-411-5p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-615-3p
C1orf116	12	miR-299-3p;miR-382-5p;miR-485-3p;miR-487a-3p;miR-493-3p;miR-496;miR-539-5p;miR-541-5p;miR-542-3p;miR-544a;miR-615-3p;miR-92b-3p
C2CD2	11	miR-1193;miR-134-5p;miR-376b-3p;miR-380-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-541-5p;miR-615-3p;miR-758-3p
C2orf88	11	miR-1193;miR-134-5p;miR-299-3p;miR-381-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-494-3p;miR-503-5p;miR-541-5p
CACNA1D	16	miR-1197;miR-134-5p;miR-154-5p;miR-329-3p;miR-337-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-487b-3p;miR-494-3p;miR-541-5p;miR-92b-3p
CACNA1E	10	miR-136-5p;miR-329-3p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-487a-3p;miR-541-5p;miR-542-3p;miR-758-3p
CACNB2	10	miR-136-5p;miR-154-5p;miR-329-3p;miR-370-3p;miR-379-5p;miR-412-3p;miR-432-5p;miR-487a-5p;miR-503-5p;miR-543
CACNB4	13	miR-1185-5p;miR-154-5p;miR-218-5p;miR-337-5p;miR-377-3p;miR-379-5p;miR-381-3p;miR-409-3p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-503-5p
CACNG5	15	miR-1197;miR-127-3p;miR-136-5p;miR-376b-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-496;miR-503-5p;miR-541-5p;miR-615-3p;miR-92b-3p
CADM3	11	miR-216b-5p;miR-329-3p;miR-381-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-655-3p;miR-92b-3p
CAMK2B	13	miR-329-3p;miR-337-5p;miR-382-5p;miR-409-3p;miR-411-5p;miR-424-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-541-5p;miR-758-3p;miR-92b-3p
CC2D2B	10	miR-134-5p;miR-154-5p;miR-216b-5p;miR-329-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-543;miR-544a
CCDC141	13	miR-1193;miR-134-5p;miR-299-3p;miR-329-3p;miR-370-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-503-5p;miR-758-3p;miR-889-3p
CCL28	13	miR-127-3p;miR-154-5p;miR-216b-5p;miR-377-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-485-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-615-3p;miR-758-3p
CCSER1	10	miR-370-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-496;miR-539-5p;miR-92b-3p
CDH6	10	miR-127-3p;miR-299-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-494-3p
CDH8	12	miR-134-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-92b-3p
CHST15	13	miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-376c-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-503-5p;miR-758-3p
CHST9	20	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-379-5p;miR-381-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-494-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p

	CLIC5	13	miR-1193;miR-134-5p;miR-329-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-615-3p;miR-92b-3p
	CLMN	11	miR-1197;miR-127-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-92b-3p
	CLSTN2	10	miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-381-3p;miR-410-3p;miR-432-5p;miR-487a-3p;miR-487b-3p;miR-493-3p
	CORO2A	10	miR-1197;miR-127-3p;miR-134-5p;miR-323a-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-503-5p
	CREG2	10	miR-216b-5p;miR-329-3p;miR-337-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-485-3p;miR-496;miR-503-5p;miR-615-3p
	CTNNA3	15	miR-1185-5p;miR-1193;miR-1197;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-369-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-541-5p;miR-92b-3p
	DAPK2	13	miR-1185-5p;miR-134-5p;miR-216b-5p;miR-370-3p;miR-379-5p;miR-382-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-496;miR-503-5p;miR-541-5p
	DCLK3	10	miR-154-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-487a-3p;miR-493-3p;miR-544a
	DGKI	19	miR-136-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-376a-3p;miR-376b-3p;miR-376c-3p;miR-377-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-542-3p;miR-758-3p
	DPP6	12	miR-1193;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-337-5p;miR-411-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-494-3p;miR-503-5p;miR-615-3p
	DTNA	18	miR-1185-5p;miR-1193;miR-134-5p;miR-376c-3p;miR-377-3p;miR-379-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-92b-3p
	ELAPOR1	15	miR-1197;miR-134-5p;miR-377-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-92b-3p
	ELMOD1	11	miR-134-5p;miR-216b-5p;miR-370-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-503-5p;miR-542-3p;miR-758-3p
	ELOVL6	11	miR-1197;miR-154-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-92b-3p
	EMCN	10	miR-218-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-424-5p;miR-487a-5p;miR-493-3p;miR-543
	EMP2	11	miR-127-3p;miR-299-3p;miR-382-5p;miR-412-3p;miR-424-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-496;miR-758-3p;miR-92b-3p
	EPB41L5	16	miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-337-5p;miR-376a-3p;miR-380-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-615-3p;miR-758-3p;miR-92b-3p
	ERBB4	12	miR-216b-5p;miR-218-5p;miR-370-3p;miR-411-5p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-495-3p;miR-496;miR-503-5p
	ERG	17	miR-1193;miR-127-3p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-615-3p;miR-758-3p
	FAM107B	13	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-410-3p;miR-412-3p;miR-431-3p;miR-487a-3p;miR-487b-3p;miR-541-5p
	FAM167A	10	miR-1193;miR-127-3p;miR-134-5p;miR-218-5p;miR-329-3p;miR-370-3p;miR-379-5p;miR-431-3p;miR-503-5p;miR-615-3p
	FAM83B	11	miR-1193;miR-1197;miR-218-5p;miR-299-3p;miR-409-3p;miR-411-5p;miR-431-3p;miR-485-5p;miR-493-3p;miR-495-3p;miR-541-5p
	FBXL22	11	miR-134-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-487a-5p;miR-543;miR-615-3p
	FGF1	19	miR-1193;miR-134-5p;miR-154-5p;miR-216b-5p;miR-323a-3p;miR-370-3p;miR-379-5p;miR-381-3p;miR-411-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-758-3p;miR-92b-3p
	FHIP1A	12	miR-1185-5p;miR-1197;miR-127-3p;miR-329-3p;miR-376c-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-503-5p;miR-543

	FRK	16	miR-1197;miR-134-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-370-3p;miR-379-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-543;miR-544a;miR-655-3p
	FRMD1	17	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-379-5p;miR-381-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-541-5p;miR-615-3p;miR-758-3p
	FRMD3	11	miR-127-3p;miR-134-5p;miR-154-5p;miR-380-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-615-3p;miR-758-3p
	FZD3	12	miR-1197;miR-329-3p;miR-337-5p;miR-381-3p;miR-409-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-495-3p;miR-541-5p;miR-615-3p;miR-758-3p
	GABRA2	19	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-299-3p;miR-323a-3p;miR-370-3p;miR-380-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-543;miR-758-3p;miR-92b-3p
	GABRA4	11	miR-1185-5p;miR-127-3p;miR-134-5p;miR-329-3p;miR-370-3p;miR-376a-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-758-3p;miR-92b-3p
	GABRP	10	miR-1193;miR-127-3p;miR-154-5p;miR-299-3p;miR-409-3p;miR-410-3p;miR-412-3p;miR-485-5p;miR-503-5p;miR-543
	GAN	11	miR-1185-5p;miR-1197;miR-127-3p;miR-299-3p;miR-337-5p;miR-370-3p;miR-380-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-487b-3p
	GARIN1A	10	miR-127-3p;miR-299-3p;miR-329-3p;miR-376c-3p;miR-382-5p;miR-432-5p;miR-433-3p;miR-539-5p;miR-615-3p;miR-758-3p
	GCNT2	10	miR-127-3p;miR-299-3p;miR-376c-3p;miR-379-5p;miR-412-3p;miR-433-3p;miR-487a-5p;miR-541-5p;miR-758-3p;miR-92b-3p
	GCSAML	10	miR-127-3p;miR-134-5p;miR-216b-5p;miR-329-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-541-5p
	GFAP	10	miR-1185-5p;miR-1193;miR-1197;miR-337-5p;miR-409-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p
	GFRA2	14	miR-1185-5p;miR-1193;miR-1197;miR-216b-5p;miR-379-5p;miR-381-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p
	GLP1R	10	miR-127-3p;miR-136-5p;miR-299-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-503-5p;miR-539-5p;miR-758-3p
	GPRIN2	16	miR-1185-5p;miR-1193;miR-1197;miR-134-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-496
	GREM1	14	miR-136-5p;miR-216b-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-496;miR-544a
	GRIK3	11	miR-216b-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-758-3p
	GRIN2B	26	miR-1197;miR-127-3p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-496;miR-539-5p;miR-541-5p;miR-655-3p;miR-758-3p;miR-92b-3p
	HMGCS1	11	miR-1193;miR-216b-5p;miR-337-5p;miR-380-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-496;miR-503-5p;miR-615-3p
	HRH4	13	miR-127-3p;miR-134-5p;miR-337-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-541-5p;miR-92b-3p
	IGF2	13	miR-1193;miR-1197;miR-299-3p;miR-329-3p;miR-370-3p;miR-381-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-92b-3p
	IGSF9B	12	miR-134-5p;miR-154-5p;miR-218-5p;miR-323a-3p;miR-376a-3p;miR-379-5p;miR-381-3p;miR-424-5p;miR-487a-5p;miR-503-5p;miR-543;miR-92b-3p
	IL31RA	12	miR-1193;miR-337-5p;miR-382-5p;miR-410-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-493-3p
	ILDR2	15	miR-1185-5p;miR-1193;miR-134-5p;miR-216b-5p;miR-329-3p;miR-376a-3p;miR-376c-3p;miR-381-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-496;miR-503-5p;miR-539-5p

KCND3	14	miR-127-3p;miR-154-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-615-3p
KCNK10	17	miR-134-5p;miR-154-5p;miR-216b-5p;miR-337-5p;miR-376a-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-496;miR-615-3p;miR-655-3p;miR-758-3p
KCNK3	12	miR-1193;miR-127-3p;miR-154-5p;miR-323a-3p;miR-329-3p;miR-412-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
KCNMA1	21	miR-1185-5p;miR-1193;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-539-5p;miR-544a;miR-758-3p;miR-92b-3p
KCNN3	14	miR-127-3p;miR-323a-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-503-5p;miR-541-5p;miR-544a;miR-758-3p
KLHL3	14	miR-1193;miR-1197;miR-134-5p;miR-154-5p;miR-376c-3p;miR-381-3p;miR-431-3p;miR-485-3p;miR-487a-3p;miR-487b-3p;miR-495-3p;miR-496;miR-543;miR-615-3p
KRT40	11	miR-1185-5p;miR-127-3p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-493-3p;miR-758-3p
LANCL3	11	miR-127-3p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-433-3p;miR-450a-5p;miR-487b-3p;miR-496;miR-615-3p
LDB3	12	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-329-3p;miR-376b-3p;miR-377-3p;miR-485-5p;miR-496;miR-503-5p;miR-541-5p;miR-543
LEP	10	miR-127-3p;miR-134-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-758-3p;miR-92b-3p
LGSN	10	miR-1185-5p;miR-127-3p;miR-337-5p;miR-370-3p;miR-380-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p
LIPH	12	miR-1193;miR-370-3p;miR-376b-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-541-5p;miR-758-3p;miR-92b-3p
LMCD1	13	miR-1193;miR-1197;miR-134-5p;miR-329-3p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-541-5p
LMO3	10	miR-1185-5p;miR-1193;miR-134-5p;miR-154-5p;miR-337-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-487a-5p
LMX1B	13	miR-1197;miR-127-3p;miR-136-5p;miR-299-3p;miR-329-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-541-5p;miR-615-3p
LRRC2	11	miR-134-5p;miR-154-5p;miR-216b-5p;miR-329-3p;miR-369-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-487a-5p;miR-495-3p;miR-496
LSAMP	11	miR-134-5p;miR-136-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-539-5p
LYPD6	11	miR-1193;miR-1197;miR-134-5p;miR-376b-3p;miR-381-3p;miR-432-5p;miR-485-5p;miR-541-5p;miR-544a;miR-758-3p;miR-92b-3p
MACC1	15	miR-127-3p;miR-134-5p;miR-136-5p;miR-323a-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-411-5p;miR-412-3p;miR-485-5p;miR-487a-5p;miR-494-3p;miR-655-3p
MAP3K9	15	miR-1197;miR-127-3p;miR-134-5p;miR-299-3p;miR-323a-3p;miR-370-3p;miR-410-3p;miR-432-5p;miR-485-3p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p;miR-655-3p;miR-92b-3p
MAP4K2	11	miR-1197;miR-134-5p;miR-136-5p;miR-218-5p;miR-329-3p;miR-409-3p;miR-412-3p;miR-433-3p;miR-494-3p;miR-503-5p;miR-92b-3p
MAPT	10	miR-134-5p;miR-154-5p;miR-216b-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-541-5p
MARVELD3	11	miR-1193;miR-127-3p;miR-337-5p;miR-370-3p;miR-377-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-495-3p
MCTP2	10	miR-127-3p;miR-134-5p;miR-136-5p;miR-412-3p;miR-431-3p;miR-450b-5p;miR-485-5p;miR-494-3p;miR-503-5p;miR-758-3p
MEGF9	13	miR-134-5p;miR-154-5p;miR-329-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-496;miR-541-5p;miR-543;miR-615-3p

	MFAP3L	13	miR-1197;miR-134-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-323a-3p;miR-381-3p;miR-432-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-544a;miR-615-3p
	MGAT4C	18	miR-1197;miR-127-3p;miR-154-5p;miR-299-3p;miR-329-3p;miR-376a-3p;miR-376b-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-758-3p;miR-92b-3p
	MTA3	10	miR-134-5p;miR-216b-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-543
	NCMAP	11	miR-127-3p;miR-134-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-381-3p;miR-409-3p;miR-485-3p;miR-485-5p;miR-503-5p;miR-92b-3p
	NEBL	13	miR-1193;miR-127-3p;miR-134-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-503-5p;miR-92b-3p
	NECTIN1	10	miR-127-3p;miR-134-5p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-541-5p;miR-542-3p;miR-92b-3p
	NEDD4L	11	miR-1197;miR-127-3p;miR-134-5p;miR-216b-5p;miR-381-3p;miR-424-5p;miR-431-3p;miR-493-3p;miR-494-3p;miR-503-5p;miR-543
	NEGR1	12	miR-134-5p;miR-136-5p;miR-154-5p;miR-299-3p;miR-433-3p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-496;miR-503-5p
	NFASC	11	miR-127-3p;miR-154-5p;miR-377-3p;miR-410-3p;miR-431-3p;miR-432-5p;miR-450b-5p;miR-485-5p;miR-487a-5p;miR-543;miR-92b-3p
	NFIB	19	miR-127-3p;miR-329-3p;miR-376b-3p;miR-377-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-410-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p;miR-615-3p;miR-758-3p
	NKD1	12	miR-1185-5p;miR-329-3p;miR-370-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-450b-5p;miR-485-5p;miR-493-3p;miR-541-5p;miR-758-3p
	NOS1	14	miR-136-5p;miR-154-5p;miR-323a-3p;miR-329-3p;miR-337-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-758-3p
	NPFFR1	10	miR-329-3p;miR-381-3p;miR-412-3p;miR-450a-5p;miR-485-3p;miR-495-3p;miR-541-5p;miR-543;miR-655-3p;miR-92b-3p
	NPR3	13	miR-1193;miR-127-3p;miR-134-5p;miR-136-5p;miR-154-5p;miR-412-3p;miR-431-3p;miR-485-5p;miR-487b-3p;miR-495-3p;miR-543;miR-544a;miR-615-3p
	NRXN1	12	miR-134-5p;miR-136-5p;miR-154-5p;miR-299-3p;miR-323a-3p;miR-450a-5p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-541-5p;miR-542-3p;miR-758-3p
	NRXN3	13	miR-136-5p;miR-154-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-541-5p;miR-544a;miR-615-3p
	NT5C1A	16	miR-1193;miR-1197;miR-134-5p;miR-136-5p;miR-377-3p;miR-379-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-758-3p
	NTNG1	17	miR-1185-5p;miR-1193;miR-127-3p;miR-216b-5p;miR-299-3p;miR-382-5p;miR-410-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-543;miR-615-3p;miR-889-3p;miR-92b-3p
	NTRK2	25	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-218-5p;miR-323a-3p;miR-370-3p;miR-377-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-424-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p;miR-615-3p;miR-758-3p
	NTRK3	23	miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-542-3p;miR-92b-3p
	OPRD1	11	miR-1193;miR-1197;miR-127-3p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-382-5p;miR-431-3p;miR-541-5p;miR-543;miR-615-3p
	OSBPL10	14	miR-134-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-615-3p;miR-758-3p;miR-92b-3p
	PLA2G4F	10	miR-1193;miR-216b-5p;miR-299-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-615-3p;miR-92b-3p

	PLCE1	10	miR-1185-5p;miR-127-3p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-376a-3p;miR-495-3p;miR-758-3p;miR-92b-3p
	PLD5	12	miR-127-3p;miR-329-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-615-3p;miR-92b-3p
	PLEKHA7	12	miR-218-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-544a;miR-615-3p;miR-758-3p;miR-92b-3p
	PLEKHS1	10	miR-1193;miR-127-3p;miR-154-5p;miR-370-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-485-5p;miR-493-3p;miR-541-5p
	PLXNA4	13	miR-1185-5p;miR-1193;miR-1197;miR-134-5p;miR-380-3p;miR-412-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-487a-5p;miR-541-5p;miR-615-3p;miR-92b-3p
	PPARA	10	miR-1193;miR-134-5p;miR-337-5p;miR-370-3p;miR-380-3p;miR-381-3p;miR-409-3p;miR-487a-5p;miR-496;miR-758-3p
	PRIMA1	11	miR-1185-5p;miR-1193;miR-329-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-543
	PRLR	18	miR-1193;miR-1197;miR-127-3p;miR-216b-5p;miR-218-5p;miR-323a-3p;miR-337-5p;miR-370-3p;miR-380-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-503-5p
	PRUNE2	10	miR-1193;miR-134-5p;miR-136-5p;miR-370-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-495-3p
	PRXL2A	12	miR-134-5p;miR-136-5p;miR-329-3p;miR-370-3p;miR-409-3p;miR-412-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-758-3p;miR-92b-3p
	PXMP4	18	miR-127-3p;miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-329-3p;miR-370-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-503-5p;miR-542-3p;miR-615-3p
	RAB11FIP4	10	miR-1197;miR-323a-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-485-3p;miR-487a-5p;miR-615-3p;miR-92b-3p
	RAB3B	16	miR-127-3p;miR-134-5p;miR-136-5p;miR-154-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-493-3p;miR-503-5p;miR-758-3p;miR-92b-3p
	RASL12	13	miR-1193;miR-127-3p;miR-134-5p;miR-218-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-758-3p
	RASSF6	13	miR-134-5p;miR-136-5p;miR-329-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-758-3p;miR-92b-3p
	REEP1	10	miR-1193;miR-127-3p;miR-329-3p;miR-370-3p;miR-377-3p;miR-380-3p;miR-424-5p;miR-485-5p;miR-487a-3p;miR-92b-3p
	RGS6	17	miR-1185-5p;miR-1193;miR-134-5p;miR-154-5p;miR-218-5p;miR-370-3p;miR-376a-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-92b-3p
	RIMS3	16	miR-1185-5p;miR-1193;miR-134-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-496;miR-541-5p
	RNF152	12	miR-134-5p;miR-154-5p;miR-218-5p;miR-329-3p;miR-381-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-542-3p;miR-615-3p;miR-92b-3p
	RNF43	14	miR-1197;miR-154-5p;miR-299-3p;miR-329-3p;miR-409-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-758-3p;miR-92b-3p
	RORA	13	miR-1193;miR-337-5p;miR-370-3p;miR-376b-3p;miR-382-5p;miR-410-3p;miR-412-3p;miR-431-3p;miR-485-5p;miR-496;miR-541-5p;miR-543;miR-758-3p
	SAMD12	17	miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-376a-3p;miR-381-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-495-3p;miR-503-5p;miR-541-5p;miR-542-3p;miR-543
	SCD	11	miR-1185-5p;miR-127-3p;miR-216b-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-487a-5p;miR-503-5p;miR-539-5p;miR-541-5p;miR-655-3p
	SCIN	10	miR-1193;miR-1197;miR-216b-5p;miR-299-3p;miR-370-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-92b-3p
	SELENOI	11	miR-134-5p;miR-216b-5p;miR-370-3p;miR-377-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-495-3p;miR-503-5p;miR-541-5p;miR-544a

	SGSM1	10	miR-127-3p;miR-370-3p;miR-493-3p;miR-494-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-889-3p;miR-92b-3p
	SH3TC2	15	miR-134-5p;miR-136-5p;miR-216b-5p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-433-3p;miR-450b-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-494-3p;miR-758-3p
	SIRT5	10	miR-1193;miR-134-5p;miR-323a-3p;miR-337-5p;miR-409-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p
	SLC19A3	16	miR-1197;miR-134-5p;miR-154-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-380-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
	SLC22A23	12	miR-127-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-431-3p;miR-433-3p;miR-485-5p;miR-496;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p
	SLC24A2	12	miR-1185-5p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-329-3p;miR-377-3p;miR-431-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-615-3p;miR-656-3p
	SLC24A4	14	miR-127-3p;miR-216b-5p;miR-337-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-495-3p;miR-543;miR-615-3p
	SLC6A11	16	miR-134-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-541-5p;miR-758-3p;miR-92b-3p
	SLC6A6	12	miR-154-5p;miR-216b-5p;miR-381-3p;miR-382-5p;miR-410-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-503-5p;miR-541-5p
	SLC7A2	11	miR-216b-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-433-3p;miR-493-3p;miR-496;miR-503-5p;miR-615-3p;miR-758-3p
	SLCO1A2	11	miR-1185-5p;miR-1193;miR-127-3p;miR-216b-5p;miR-299-3p;miR-376c-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-485-5p;miR-487a-3p
	SMOC1	11	miR-1193;miR-127-3p;miR-376a-3p;miR-376b-3p;miR-380-3p;miR-382-5p;miR-485-3p;miR-487a-3p;miR-493-3p;miR-495-3p;miR-92b-3p
	SORBS1	10	miR-1197;miR-337-5p;miR-380-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-503-5p;miR-615-3p;miR-758-3p
	SORT1	13	miR-1197;miR-127-3p;miR-218-5p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-432-5p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p
	SOX5	11	miR-1193;miR-218-5p;miR-299-3p;miR-409-3p;miR-412-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-655-3p;miR-758-3p
	SOX6	12	miR-1193;miR-216b-5p;miR-299-3p;miR-381-3p;miR-411-5p;miR-412-3p;miR-487a-5p;miR-493-3p;miR-496;miR-541-5p;miR-758-3p;miR-92b-3p
	SP6	12	miR-127-3p;miR-136-5p;miR-216b-5p;miR-369-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-541-5p;miR-543;miR-92b-3p
	SPATA13	11	miR-216b-5p;miR-299-3p;miR-323a-3p;miR-381-3p;miR-382-5p;miR-432-5p;miR-485-3p;miR-493-3p;miR-494-3p;miR-541-5p;miR-92b-3p
	SPECC1	15	miR-127-3p;miR-216b-5p;miR-218-5p;miR-329-3p;miR-337-5p;miR-381-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-541-5p
	SRL	14	miR-134-5p;miR-216b-5p;miR-329-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-758-3p;miR-92b-3p
	SYN2	12	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-337-5p;miR-379-5p;miR-381-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-496;miR-543
	SYNPO2	10	miR-1197;miR-134-5p;miR-370-3p;miR-379-5p;miR-410-3p;miR-431-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-541-5p
	TACR1	11	miR-1193;miR-136-5p;miR-370-3p;miR-379-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-541-5p;miR-615-3p;miR-92b-3p
	TAL1	13	miR-136-5p;miR-409-3p;miR-410-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-656-3p;miR-758-3p
	TDRD1	10	miR-1185-5p;miR-1193;miR-127-3p;miR-299-3p;miR-329-3p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-496;miR-615-3p

	TF	18	miR-1185-5p;miR-127-3p;miR-136-5p;miR-370-3p;miR-377-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-411-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-493-3p;miR-539-5p;miR-615-3p;miR-655-3p;miR-758-3p
	TFCP2L1	11	miR-1185-5p;miR-1193;miR-1197;miR-134-5p;miR-337-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-485-5p;miR-487a-5p;miR-542-3p
	TMEM13 2B	10	miR-1197;miR-154-5p;miR-216b-5p;miR-299-3p;miR-337-5p;miR-381-3p;miR-412-3p;miR-431-3p;miR-487b-3p;miR-493-3p
	TMEM16 4	22	miR-1197;miR-154-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-376b-3p;miR-379-5p;miR-380-3p;miR-409-3p;miR-410-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-494-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-889-3p
	TMEM22 9B	13	miR-134-5p;miR-154-5p;miR-329-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-539-5p;miR-541-5p;miR-758-3p;miR-92b-3p
	TP63	11	miR-154-5p;miR-216b-5p;miR-370-3p;miR-376a-3p;miR-377-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-543;miR-615-3p
	TRIM13	13	miR-1193;miR-127-3p;miR-299-3p;miR-370-3p;miR-379-5p;miR-382-5p;miR-431-3p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
	TRPC4	12	miR-134-5p;miR-136-5p;miR-299-3p;miR-337-5p;miR-381-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-496;miR-541-5p
	TRPM3	17	miR-1197;miR-154-5p;miR-218-5p;miR-299-3p;miR-337-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-433-3p;miR-487a-3p;miR-493-3p;miR-495-3p;miR-496;miR-503-5p;miR-543;miR-758-3p;miR-92b-3p
	TYRO3	12	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-329-3p;miR-381-3p;miR-409-3p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-496;miR-758-3p
	VANGL2	12	miR-337-5p;miR-376b-3p;miR-377-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487a-5p;miR-503-5p;miR-758-3p;miR-92b-3p
	ZBTB16	16	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-323a-3p;miR-409-3p;miR-410-3p;miR-411-5p;miR-412-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-541-5p;miR-758-3p
	ZNF620	11	miR-1193;miR-127-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-615-3p;miR-758-3p;miR-92b-3p
	Ago-04	10	miR-127-3p;miR-136-5p;miR-216b-5p;miR-337-5p;miR-409-3p;miR-411-5p;miR-412-3p;miR-487b-3p;miR-503-5p;miR-615-3p
5-prime UTR	CABP1	14	miR-1197;miR-218-5p;miR-370-3p;miR-382-5p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p;miR-615-3p;miR-758-3p;miR-92b-3p
	FAM107B	13	miR-134-5p;miR-337-5p;miR-370-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-539-5p;miR-615-3p;miR-92b-3p
	FLRT1	11	miR-1185-5p;miR-127-3p;miR-154-5p;miR-216b-5p;miR-382-5p;miR-412-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-543;miR-758-3p
	LYPD6	26	miR-1193;miR-1197;miR-127-3p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-376a-3p;miR-376b-3p;miR-376c-3p;miR-380-3p;miR-382-5p;miR-412-3p;miR-424-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-487b-3p;miR-495-3p;miR-541-5p;miR-615-3p;miR-92b-3p
	PAX6	19	miR-1193;miR-127-3p;miR-134-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-381-3p;miR-409-3p;miR-411-5p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p;miR-92b-3p
	TSGA10	10	miR-216b-5p;miR-337-5p;miR-370-3p;miR-376a-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-485-3p;miR-758-3p;miR-92b-3p
CDS	A2M	12	miR-1197;miR-370-3p;miR-381-3p;miR-410-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-615-3p
	ABCA4	16	miR-1193;miR-136-5p;miR-216b-5p;miR-299-3p;miR-377-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
	ABCA5	15	miR-1185-5p;miR-1197;miR-127-3p;miR-370-3p;miR-376a-3p;miR-377-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-615-3p;miR-92b-3p

ABCC11	13	miR-154-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-410-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-487a-5p;miR-503-5p;miR-615-3p
ABCC6	16	miR-1193;miR-127-3p;miR-216b-5p;miR-323a-3p;miR-377-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-615-3p;miR-758-3p;miR-92b-3p
ABCC8	14	miR-1185-5p;miR-1193;miR-134-5p;miR-154-5p;miR-299-3p;miR-370-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-493-3p;miR-496;miR-503-5p;miR-758-3p
ABCG1	12	miR-1185-5p;miR-1197;miR-216b-5p;miR-382-5p;miR-412-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-503-5p;miR-758-3p
ABLM1	13	miR-1193;miR-134-5p;miR-216b-5p;miR-370-3p;miR-379-5p;miR-381-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
ABLM2	10	miR-127-3p;miR-370-3p;miR-381-3p;miR-432-5p;miR-433-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-543;miR-615-3p
ACACB	17	miR-127-3p;miR-134-5p;miR-154-5p;miR-323a-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-539-5p;miR-541-5p;miR-543;miR-544a;miR-615-3p;miR-758-3p;miR-92b-3p
ACCSL	10	miR-1193;miR-127-3p;miR-410-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p
ACLY	10	miR-134-5p;miR-370-3p;miR-379-5p;miR-409-3p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-541-5p;miR-543;miR-758-3p
ACSL1	16	miR-127-3p;miR-154-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-543;miR-92b-3p
ACSL5	14	miR-1197;miR-127-3p;miR-154-5p;miR-337-5p;miR-370-3p;miR-409-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-543;miR-758-3p
ADAM15	13	miR-1185-5p;miR-1197;miR-127-3p;miR-329-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-496;miR-615-3p;miR-92b-3p
ADCY5	12	miR-154-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-496;miR-503-5p;miR-541-5p
ADCY6	11	miR-1193;miR-218-5p;miR-323a-3p;miR-431-3p;miR-450b-5p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-543
ADGRF3	15	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-329-3p;miR-337-5p;miR-376c-3p;miR-377-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-758-3p;miR-92b-3p
ADGRF4	12	miR-1193;miR-127-3p;miR-134-5p;miR-299-3p;miR-377-3p;miR-424-5p;miR-432-5p;miR-487b-3p;miR-495-3p;miR-543;miR-758-3p;miR-92b-3p
ADGRF5	12	miR-1185-5p;miR-1193;miR-134-5p;miR-154-5p;miR-299-3p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p
ADGRG2	15	miR-1193;miR-1197;miR-134-5p;miR-154-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-92b-3p
ADGRG3	10	miR-1193;miR-1197;miR-134-5p;miR-323a-3p;miR-370-3p;miR-432-5p;miR-433-3p;miR-503-5p;miR-615-3p;miR-758-3p
ADGRG6	12	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-495-3p
ADGRL3	17	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-541-5p;miR-543;miR-615-3p;miR-92b-3p
ADGRV1	21	miR-1193;miR-134-5p;miR-136-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-495-3p;miR-539-5p;miR-541-5p;miR-542-3p;miR-543
ADRA1A	13	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-409-3p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-615-3p

AFAP1L2	10	miR-127-3p;miR-134-5p;miR-216b-5p;miR-370-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p
AGRN	12	miR-1197;miR-216b-5p;miR-329-3p;miR-337-5p;miR-379-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-493-3p;miR-494-3p;miR-541-5p;miR-758-3p
AIFM3	11	miR-1193;miR-329-3p;miR-411-5p;miR-412-3p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-493-3p;miR-503-5p;miR-539-5p;miR-92b-3p
AK5	11	miR-323a-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-615-3p
AKAP4	10	miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-379-5p;miR-382-5p;miR-431-3p;miR-493-3p;miR-541-5p;miR-615-3p
ALK	11	miR-1185-5p;miR-134-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-615-3p
ALPK1	15	miR-1193;miR-154-5p;miR-299-3p;miR-337-5p;miR-409-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p
ANK3	19	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-218-5p;miR-380-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-495-3p;miR-758-3p;miR-92b-3p
ANKRD35	11	miR-127-3p;miR-136-5p;miR-216b-5p;miR-370-3p;miR-409-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-92b-3p
ANKRD55	10	miR-1193;miR-136-5p;miR-370-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-615-3p
ANO1	15	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-218-5p;miR-337-5p;miR-381-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-92b-3p
AQP4	14	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-376c-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-496;miR-503-5p;miR-615-3p;miR-758-3p
ARHGEF38	11	miR-154-5p;miR-370-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-544a
ASB2	10	miR-127-3p;miR-216b-5p;miR-370-3p;miR-431-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-503-5p;miR-541-5p;miR-92b-3p
ATP10B	16	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-218-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-615-3p;miR-92b-3p
ATP12A	13	miR-127-3p;miR-136-5p;miR-154-5p;miR-218-5p;miR-323a-3p;miR-382-5p;miR-409-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p
ATP1A1	12	miR-134-5p;miR-381-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-543;miR-615-3p;miR-758-3p
ATP1A4	10	miR-127-3p;miR-134-5p;miR-337-5p;miR-370-3p;miR-382-5p;miR-432-5p;miR-433-3p;miR-493-3p;miR-541-5p;miR-543
ATP2B2	10	miR-134-5p;miR-136-5p;miR-218-5p;miR-412-3p;miR-433-3p;miR-493-3p;miR-496;miR-541-5p;miR-615-3p;miR-758-3p
ATP2C2	13	miR-1193;miR-136-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-615-3p
ATP6V0A4	12	miR-1193;miR-127-3p;miR-216b-5p;miR-370-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-541-5p;miR-543
ATP7B	12	miR-127-3p;miR-134-5p;miR-154-5p;miR-337-5p;miR-370-3p;miR-450a-5p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-496;miR-758-3p;miR-92b-3p
ATP8A2	13	miR-1193;miR-127-3p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-382-5p;miR-410-3p;miR-431-3p;miR-433-3p;miR-487a-3p;miR-493-3p;miR-503-5p;miR-615-3p
AXDND1	12	miR-127-3p;miR-134-5p;miR-329-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-485-3p;miR-485-5p;miR-503-5p;miR-615-3p;miR-758-3p
AXIN2	10	miR-127-3p;miR-216b-5p;miR-382-5p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-487b-3p;miR-543;miR-758-3p;miR-92b-3p
BCL11A	13	miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-450b-5p;miR-485-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p

BMX	11	miR-127-3p;miR-134-5p;miR-216b-5p;miR-218-5p;miR-382-5p;miR-450b-5p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-615-3p;miR-92b-3p
C10orf71	10	miR-134-5p;miR-329-3p;miR-370-3p;miR-381-3p;miR-412-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-503-5p;miR-615-3p
C6	11	miR-1185-5p;miR-127-3p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-493-3p;miR-758-3p
CACNA1D	19	miR-1197;miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-337-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-496;miR-615-3p;miR-758-3p
CACNA1E	15	miR-1193;miR-1197;miR-134-5p;miR-136-5p;miR-299-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-543;miR-758-3p
CACNA1H	14	miR-1193;miR-127-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p
CACNB2	10	miR-1185-5p;miR-1193;miR-127-3p;miR-485-5p;miR-487a-5p;miR-494-3p;miR-503-5p;miR-615-3p;miR-758-3p;miR-92b-3p
CACNB4	12	miR-1193;miR-127-3p;miR-154-5p;miR-299-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-615-3p;miR-758-3p;miR-92b-3p
CAMK2B	10	miR-1185-5p;miR-136-5p;miR-154-5p;miR-337-5p;miR-379-5p;miR-433-3p;miR-487b-3p;miR-542-3p;miR-615-3p;miR-758-3p
CARD14	16	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-370-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-493-3p;miR-495-3p;miR-541-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
CARNS1	11	miR-1193;miR-154-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-92b-3p
CC2D2B	13	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-376c-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-496;miR-503-5p;miR-615-3p
CDH1	12	miR-154-5p;miR-323a-3p;miR-376a-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-543;miR-758-3p;miR-92b-3p
CDH26	13	miR-1197;miR-127-3p;miR-337-5p;miR-370-3p;miR-424-5p;miR-431-3p;miR-450b-5p;miR-485-5p;miR-503-5p;miR-541-5p;miR-544a;miR-615-3p;miR-758-3p
CDH3	11	miR-323a-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-539-5p;miR-615-3p;miR-758-3p
CDH4	11	miR-1193;miR-1197;miR-136-5p;miR-382-5p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-496;miR-758-3p
CDH6	11	miR-127-3p;miR-134-5p;miR-299-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-487b-3p;miR-493-3p;miR-543;miR-615-3p
CELSR1	12	miR-1185-5p;miR-1193;miR-136-5p;miR-154-5p;miR-299-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-487b-3p;miR-541-5p;miR-543;miR-615-3p
CELSR2	11	miR-1193;miR-1197;miR-127-3p;miR-299-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-487b-3p
CFAP45	10	miR-127-3p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-92b-3p
CFI	10	miR-1197;miR-216b-5p;miR-370-3p;miR-379-5p;miR-495-3p;miR-503-5p;miR-543;miR-544a;miR-758-3p;miR-92b-3p
CFTR	16	miR-1185-5p;miR-1197;miR-136-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-431-3p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-615-3p;miR-92b-3p
CHD7	11	miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-889-3p
CHL1	10	miR-134-5p;miR-154-5p;miR-337-5p;miR-382-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-541-5p;miR-655-3p;miR-758-3p
COBL	15	miR-127-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-758-3p

COCH	10	miR-1193;miR-154-5p;miR-380-3p;miR-381-3p;miR-431-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-92b-3p
COL19A1	10	miR-127-3p;miR-154-5p;miR-329-3p;miR-370-3p;miR-412-3p;miR-431-3p;miR-485-3p;miR-493-3p;miR-615-3p;miR-656-3p
COL22A1	13	miR-1193;miR-127-3p;miR-136-5p;miR-154-5p;miR-218-5p;miR-323a-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-450b-5p;miR-543;miR-758-3p;miR-92b-3p
COL4A3	12	miR-127-3p;miR-136-5p;miR-216b-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-412-3p;miR-450b-5p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-541-5p
COL4A5	12	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-379-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-615-3p;miR-758-3p;miR-92b-3p
COL4A6	16	miR-1185-5p;miR-127-3p;miR-134-5p;miR-154-5p;miR-329-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
CORIN	14	miR-216b-5p;miR-323a-3p;miR-370-3p;miR-377-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-496;miR-758-3p;miR-92b-3p
CPT1B	13	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-329-3p;miR-370-3p;miR-424-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-758-3p
CSMD2	17	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-337-5p;miR-370-3p;miR-376a-3p;miR-376b-3p;miR-379-5p;miR-381-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-615-3p
CTTNBP2	16	miR-134-5p;miR-299-3p;miR-337-5p;miR-379-5p;miR-381-3p;miR-424-5p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-758-3p
CYP27A1	11	miR-127-3p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-503-5p;miR-544a;miR-615-3p
DACH1	11	miR-127-3p;miR-134-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-411-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-503-5p;miR-615-3p
DCC	14	miR-1193;miR-136-5p;miR-299-3p;miR-379-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-541-5p;miR-758-3p
DCLK3	12	miR-1197;miR-134-5p;miR-154-5p;miR-299-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-487b-3p;miR-503-5p;miR-544a;miR-615-3p
DCT	11	miR-1193;miR-134-5p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-758-3p
DDC	10	miR-127-3p;miR-134-5p;miR-218-5p;miR-299-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-503-5p;miR-615-3p
DDR1	17	miR-1193;miR-154-5p;miR-337-5p;miR-370-3p;miR-409-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-496;miR-503-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
DGKB	15	miR-127-3p;miR-216b-5p;miR-299-3p;miR-329-3p;miR-370-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-494-3p;miR-541-5p;miR-615-3p;miR-758-3p
DGKI	13	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-450b-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-539-5p;miR-543
DMD	20	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p;miR-758-3p
DNAH5	23	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-154-5p;miR-218-5p;miR-379-5p;miR-381-3p;miR-382-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-495-3p;miR-496;miR-503-5p;miR-541-5p;miR-543;miR-758-3p;miR-92b-3p
DNAH6	15	miR-1185-5p;miR-136-5p;miR-299-3p;miR-382-5p;miR-409-3p;miR-410-3p;miR-411-5p;miR-424-5p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487b-3p;miR-495-3p;miR-503-5p;miR-541-5p
DOP1B	13	miR-1185-5p;miR-216b-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-503-5p

DPEP2	13	miR-1185-5p;miR-1197;miR-136-5p;miR-154-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-615-3p;miR-92b-3p
DPP6	12	miR-1185-5p;miR-127-3p;miR-154-5p;miR-410-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-544a;miR-615-3p
DSC3	12	miR-127-3p;miR-154-5p;miR-323a-3p;miR-370-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-92b-3p
DSG4	14	miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-381-3p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-503-5p;miR-541-5p;miR-615-3p
DTNA	12	miR-127-3p;miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-92b-3p
DUOX2	14	miR-127-3p;miR-323a-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-410-3p;miR-412-3p;miR-424-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-543
ECT2L	10	miR-1193;miR-127-3p;miR-323a-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-541-5p
EFCAB5	12	miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-541-5p
EFHC2	13	miR-127-3p;miR-134-5p;miR-154-5p;miR-409-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-615-3p
EGF	15	miR-127-3p;miR-134-5p;miR-154-5p;miR-337-5p;miR-382-5p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-496;miR-503-5p;miR-543;miR-615-3p
ELAPOR1	13	miR-1193;miR-134-5p;miR-154-5p;miR-329-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-543;miR-758-3p;miR-92b-3p
ELAPOR2	13	miR-1197;miR-134-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-541-5p
EML6	10	miR-1193;miR-1197;miR-299-3p;miR-329-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-758-3p
EPB41L1	13	miR-1193;miR-134-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p
EPHA1	10	miR-1193;miR-127-3p;miR-154-5p;miR-329-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-493-3p;miR-539-5p
EPHA8	10	miR-1193;miR-154-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-485-5p;miR-503-5p;miR-615-3p;miR-758-3p;miR-92b-3p
EPHB1	10	miR-1193;miR-134-5p;miR-136-5p;miR-216b-5p;miR-329-3p;miR-382-5p;miR-410-3p;miR-432-5p;miR-433-3p;miR-485-5p
EPS8L2	11	miR-127-3p;miR-136-5p;miR-154-5p;miR-337-5p;miR-382-5p;miR-431-3p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-758-3p
ERBB2	15	miR-1193;miR-127-3p;miR-154-5p;miR-299-3p;miR-412-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
ERBB3	11	miR-127-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-431-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p
ERBB4	14	miR-1193;miR-127-3p;miR-154-5p;miR-329-3p;miR-376b-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p
ESRRG	14	miR-216b-5p;miR-299-3p;miR-323a-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-495-3p
ESYT3	10	miR-1193;miR-154-5p;miR-379-5p;miR-409-3p;miR-411-5p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-543
EYS	23	miR-1193;miR-1197;miR-127-3p;miR-216b-5p;miR-370-3p;miR-376b-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-411-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-503-5p;miR-539-5p;miR-758-3p;miR-92b-3p

F10	15	miR-127-3p;miR-218-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-543;miR-92b-3p
F8	15	miR-127-3p;miR-370-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-496;miR-539-5p;miR-541-5p;miR-615-3p;miR-92b-3p
FAM135B	12	miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-496;miR-543;miR-544a
FAM13C	11	miR-127-3p;miR-134-5p;miR-136-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-615-3p;miR-92b-3p
FAT2	15	miR-134-5p;miR-136-5p;miR-216b-5p;miR-370-3p;miR-376a-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-615-3p;miR-758-3p
FAT3	17	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-136-5p;miR-381-3p;miR-409-3p;miR-424-5p;miR-431-3p;miR-450a-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-495-3p;miR-503-5p;miR-758-3p;miR-92b-3p
FCAMR	10	miR-1197;miR-127-3p;miR-154-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-493-3p;miR-541-5p;miR-758-3p
FCHO1	17	miR-1193;miR-1197;miR-216b-5p;miR-299-3p;miR-329-3p;miR-382-5p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-543;miR-615-3p;miR-758-3p
FDFT1	11	miR-1193;miR-127-3p;miR-134-5p;miR-299-3p;miR-329-3p;miR-409-3p;miR-487b-3p;miR-496;miR-503-5p;miR-541-5p;miR-758-3p
FHIP1A	12	miR-1193;miR-134-5p;miR-323a-3p;miR-370-3p;miR-377-3p;miR-381-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-615-3p;miR-758-3p
FLT4	15	miR-1185-5p;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-544a;miR-615-3p
FRAS1	21	miR-1185-5p;miR-127-3p;miR-134-5p;miR-154-5p;miR-323a-3p;miR-329-3p;miR-376c-3p;miR-380-3p;miR-410-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-496;miR-539-5p;miR-543;miR-615-3p;miR-758-3p
FREM2	17	miR-1197;miR-134-5p;miR-154-5p;miR-299-3p;miR-376c-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-503-5p;miR-758-3p;miR-92b-3p
FRMD3	13	miR-127-3p;miR-216b-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-503-5p;miR-539-5p;miR-615-3p;miR-758-3p;miR-92b-3p
FRMPD3	11	miR-1197;miR-127-3p;miR-216b-5p;miR-382-5p;miR-412-3p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-758-3p
FRY	16	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-323a-3p;miR-376b-3p;miR-380-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-758-3p;miR-92b-3p
FSD1	11	miR-1197;miR-337-5p;miR-381-3p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p
FSIP2	12	miR-127-3p;miR-154-5p;miR-329-3p;miR-379-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-503-5p;miR-544a;miR-758-3p
FSTL5	10	miR-216b-5p;miR-218-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-494-3p;miR-541-5p
FZD6	11	miR-370-3p;miR-377-3p;miR-412-3p;miR-433-3p;miR-485-5p;miR-493-3p;miR-495-3p;miR-503-5p;miR-541-5p;miR-758-3p;miR-92b-3p
GARNL3	13	miR-127-3p;miR-134-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-487a-5p;miR-495-3p;miR-758-3p;miR-92b-3p
GDPD2	10	miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p
GDPD4	11	miR-1197;miR-127-3p;miR-216b-5p;miR-431-3p;miR-432-5p;miR-487a-3p;miR-495-3p;miR-539-5p;miR-543;miR-615-3p;miR-758-3p

GPR176	11	miR-1193;miR-127-3p;miR-216b-5p;miR-370-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-542-3p
GPRASP2	12	miR-127-3p;miR-134-5p;miR-218-5p;miR-370-3p;miR-382-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-541-5p;miR-758-3p;miR-92b-3p
GPRC5D	11	miR-1193;miR-154-5p;miR-299-3p;miR-370-3p;miR-376b-3p;miR-382-5p;miR-424-5p;miR-431-3p;miR-503-5p;miR-542-3p;miR-758-3p
GRAMD1 C	10	miR-127-3p;miR-134-5p;miR-337-5p;miR-370-3p;miR-380-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-615-3p
GREB1	19	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-299-3p;miR-337-5p;miR-382-5p;miR-409-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-758-3p
GREB1L	15	miR-1193;miR-154-5p;miR-329-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-503-5p;miR-539-5p;miR-615-3p;miR-758-3p
GRHL3	15	miR-1197;miR-299-3p;miR-329-3p;miR-370-3p;miR-377-3p;miR-379-5p;miR-411-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-889-3p
GRIA1	13	miR-1193;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-337-5p;miR-412-3p;miR-431-3p;miR-433-3p;miR-450b-5p;miR-485-5p;miR-503-5p;miR-541-5p;miR-758-3p
GRIN2B	14	miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-376a-3p;miR-376b-3p;miR-431-3p;miR-432-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-543;miR-758-3p
GRIP1	14	miR-1193;miR-136-5p;miR-337-5p;miR-382-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
GTF2IRD1	10	miR-127-3p;miR-299-3p;miR-370-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-541-5p;miR-92b-3p
HEATR4	16	miR-127-3p;miR-134-5p;miR-216b-5p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-503-5p;miR-539-5p;miR-541-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
HMCN2	11	miR-1193;miR-154-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-615-3p
HNF1B	11	miR-1193;miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-424-5p;miR-433-3p;miR-493-3p;miR-503-5p;miR-543;miR-615-3p
HR	13	miR-127-3p;miR-154-5p;miR-216b-5p;miR-380-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-450a-5p;miR-485-3p;miR-487a-5p;miR-503-5p
IL17RC	13	miR-1193;miR-1197;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-615-3p;miR-758-3p
IL1R2	10	miR-1197;miR-323a-3p;miR-381-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-494-3p;miR-615-3p;miR-758-3p
IL1RL2	11	miR-299-3p;miR-382-5p;miR-411-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p
IL31RA	17	miR-1185-5p;miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-380-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-503-5p;miR-539-5p;miR-543;miR-92b-3p
INSC	15	miR-1193;miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-541-5p
IRS4	11	miR-1197;miR-134-5p;miR-323a-3p;miR-376c-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-487a-5p;miR-493-3p;miR-758-3p
ITGA2	13	miR-1193;miR-154-5p;miR-216b-5p;miR-376a-3p;miR-376b-3p;miR-376c-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-433-3p;miR-496;miR-503-5p;miR-758-3p
ITGA7	14	miR-1193;miR-1197;miR-134-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-412-3p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-615-3p;miR-758-3p

ITGB4	17	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-543;miR-615-3p
ITIH4	14	miR-127-3p;miR-134-5p;miR-337-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-615-3p;miR-758-3p
ITPKB	10	miR-1185-5p;miR-337-5p;miR-370-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-543;miR-615-3p
ITPRID2	15	miR-1185-5p;miR-1193;miR-134-5p;miR-216b-5p;miR-329-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-503-5p;miR-543;miR-615-3p
JAG1	10	miR-1197;miR-216b-5p;miR-381-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-450a-5p;miR-485-3p;miR-503-5p;miR-541-5p
KASH5	12	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-370-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p
KCNA4	10	miR-1193;miR-1197;miR-381-3p;miR-382-5p;miR-412-3p;miR-485-3p;miR-487a-3p;miR-487b-3p;miR-541-5p;miR-543
KCNC2	10	miR-1193;miR-127-3p;miR-299-3p;miR-432-5p;miR-485-3p;miR-493-3p;miR-541-5p;miR-543;miR-758-3p;miR-92b-3p
KCND3	10	miR-1193;miR-134-5p;miR-154-5p;miR-409-3p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-539-5p
KCNH2	13	miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-382-5p;miR-411-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-92b-3p
KCNMA1	17	miR-1193;miR-134-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-380-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-495-3p;miR-503-5p;miR-541-5p;miR-92b-3p
KCNS3	10	miR-370-3p;miR-381-3p;miR-409-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-543;miR-92b-3p
KCNT2	13	miR-1193;miR-134-5p;miR-136-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p;miR-615-3p
KCNU1	13	miR-1193;miR-337-5p;miR-370-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-542-3p;miR-615-3p;miR-758-3p
KDR	11	miR-1197;miR-127-3p;miR-376b-3p;miR-381-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-543;miR-615-3p;miR-92b-3p
KEL	11	miR-127-3p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-541-5p;miR-615-3p;miR-758-3p
KIF21A	16	miR-127-3p;miR-134-5p;miR-329-3p;miR-381-3p;miR-382-5p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-758-3p
KIT	12	miR-1193;miR-134-5p;miR-154-5p;miR-337-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-544a;miR-758-3p
KRT24	11	miR-127-3p;miR-370-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p
KRT40	10	miR-127-3p;miR-377-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-615-3p
KRT9	12	miR-1197;miR-127-3p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-615-3p;miR-92b-3p
L1CAM	13	miR-1193;miR-154-5p;miR-382-5p;miR-409-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p
LAMB3	12	miR-1185-5p;miR-1193;miR-127-3p;miR-134-5p;miR-370-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-539-5p;miR-541-5p;miR-615-3p
LAMB4	19	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-370-3p;miR-381-3p;miR-411-5p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-493-3p;miR-503-5p;miR-615-3p;miR-92b-3p
LGR5	12	miR-1193;miR-134-5p;miR-376a-3p;miR-376b-3p;miR-376c-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p

LLGL2	10	miR-1193;miR-370-3p;miR-379-5p;miR-409-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p
LMO7	22	miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-376c-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p;miR-656-3p;miR-92b-3p
LPO	11	miR-1185-5p;miR-127-3p;miR-136-5p;miR-337-5p;miR-376c-3p;miR-382-5p;miR-410-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-543
LRP4	12	miR-1197;miR-127-3p;miR-134-5p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-758-3p
LRRIQ1	10	miR-1185-5p;miR-134-5p;miR-154-5p;miR-218-5p;miR-370-3p;miR-431-3p;miR-493-3p;miR-541-5p;miR-615-3p;miR-92b-3p
MADD	13	miR-1185-5p;miR-127-3p;miR-134-5p;miR-216b-5p;miR-299-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-503-5p;miR-543;miR-656-3p;miR-758-3p
MAEL	11	miR-1193;miR-127-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-496;miR-503-5p;miR-615-3p;miR-758-3p
MAGI1	13	miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p;miR-543
MAP3K9	10	miR-134-5p;miR-216b-5p;miR-323a-3p;miR-337-5p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-503-5p
MAP7	11	miR-1193;miR-134-5p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p
MCTP2	10	miR-1193;miR-127-3p;miR-323a-3p;miR-380-3p;miR-431-3p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-615-3p;miR-92b-3p
MECOM	16	miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-541-5p;miR-543;miR-92b-3p
MET	11	miR-1185-5p;miR-299-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-410-3p;miR-432-5p;miR-496;miR-543;miR-615-3p;miR-758-3p
MLIP	11	miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-541-5p;miR-615-3p;miR-758-3p
MMRN1	14	miR-1193;miR-127-3p;miR-216b-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-758-3p
MROH7	15	miR-127-3p;miR-134-5p;miR-136-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-496;miR-503-5p;miR-543
MSH5	11	miR-1193;miR-127-3p;miR-379-5p;miR-424-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-543
MST1R	12	miR-134-5p;miR-216b-5p;miR-299-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-758-3p;miR-92b-3p
MTMR7	12	miR-134-5p;miR-154-5p;miR-218-5p;miR-337-5p;miR-370-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p;miR-92b-3p
MYBBP1A	17	miR-134-5p;miR-154-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-544a;miR-615-3p;miR-758-3p;miR-92b-3p
MYH11	15	miR-1185-5p;miR-1197;miR-127-3p;miR-299-3p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-450a-5p;miR-485-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
MYH3	12	miR-127-3p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-503-5p;miR-539-5p;miR-615-3p;miR-758-3p
MYH6	16	miR-1193;miR-127-3p;miR-154-5p;miR-329-3p;miR-381-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-544a;miR-615-3p
MYO18A	13	miR-127-3p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-218-5p;miR-323a-3p;miR-412-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-543;miR-615-3p

MYO5B	10	miR-127-3p;miR-154-5p;miR-216b-5p;miR-382-5p;miR-410-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487b-3p;miR-539-5p
MYPN	19	miR-1185-5p;miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-495-3p;miR-503-5p;miR-539-5p;miR-543;miR-758-3p;miR-92b-3p
MYRIP	12	miR-134-5p;miR-370-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-758-3p
NALCN	16	miR-127-3p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-323a-3p;miR-381-3p;miR-409-3p;miR-424-5p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-503-5p;miR-758-3p
NBEAL2	14	miR-1193;miR-134-5p;miR-136-5p;miR-154-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-615-3p;miR-92b-3p
NECTIN4	11	miR-1193;miR-127-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-493-3p;miR-496;miR-543;miR-758-3p;miR-92b-3p
NEDD4L	13	miR-1193;miR-1197;miR-127-3p;miR-218-5p;miR-323a-3p;miR-382-5p;miR-432-5p;miR-433-3p;miR-485-5p;miR-496;miR-542-3p;miR-615-3p;miR-758-3p
NELL2	10	miR-127-3p;miR-216b-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-615-3p
NFASC	10	miR-1193;miR-127-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-487a-3p
NINL	14	miR-136-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-487b-3p;miR-496;miR-541-5p;miR-543;miR-615-3p;miR-758-3p
NLRP14	14	miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-337-5p;miR-376c-3p;miR-377-3p;miR-379-5p;miR-432-5p;miR-493-3p;miR-495-3p;miR-496;miR-615-3p;miR-889-3p
NOL4	12	miR-127-3p;miR-134-5p;miR-381-3p;miR-382-5p;miR-410-3p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-541-5p;miR-615-3p
NOS1	13	miR-1185-5p;miR-1193;miR-216b-5p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-495-3p;miR-503-5p;miR-541-5p;miR-543
NOTCH1	10	miR-1193;miR-379-5p;miR-424-5p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-92b-3p
NOX1	12	miR-1193;miR-127-3p;miR-134-5p;miR-136-5p;miR-370-3p;miR-412-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-758-3p;miR-889-3p
NOXA1	10	miR-1193;miR-134-5p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-758-3p
NPC1L1	12	miR-1193;miR-1197;miR-370-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-495-3p;miR-503-5p;miR-541-5p;miR-542-3p;miR-92b-3p
NRXN1	21	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-218-5p;miR-337-5p;miR-370-3p;miR-376a-3p;miR-376b-3p;miR-379-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-92b-3p
NRXN3	12	miR-1193;miR-329-3p;miR-370-3p;miR-376c-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-615-3p
NTRK2	18	miR-1193;miR-127-3p;miR-216b-5p;miR-299-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p;miR-92b-3p
NTRK3	14	miR-1193;miR-1197;miR-134-5p;miR-154-5p;miR-216b-5p;miR-379-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-615-3p;miR-758-3p;miR-92b-3p
NXPE1	10	miR-134-5p;miR-337-5p;miR-370-3p;miR-411-5p;miR-431-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-615-3p
ODAD2	18	miR-127-3p;miR-134-5p;miR-136-5p;miR-218-5p;miR-337-5p;miR-370-3p;miR-376b-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p;miR-92b-3p
OGDHL	11	miR-127-3p;miR-323a-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p

OPRL1	11	miR-134-5p;miR-216b-5p;miR-337-5p;miR-379-5p;miR-381-3p;miR-412-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-92b-3p
OTOF	14	miR-136-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-487a-3p;miR-493-3p;miR-543
OTOGL	14	miR-134-5p;miR-216b-5p;miR-299-3p;miR-337-5p;miR-380-3p;miR-381-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-541-5p;miR-543
PAK5	13	miR-1193;miR-127-3p;miR-134-5p;miR-218-5p;miR-299-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-615-3p
PAPPA2	15	miR-1193;miR-127-3p;miR-136-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-379-5p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-503-5p;miR-541-5p;miR-92b-3p
PAX6	12	miR-1193;miR-134-5p;miR-323a-3p;miR-370-3p;miR-379-5p;miR-381-3p;miR-409-3p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-543;miR-92b-3p
PCDH1	13	miR-1197;miR-134-5p;miR-337-5p;miR-370-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-543;miR-615-3p
PCDH15	23	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-323a-3p;miR-370-3p;miR-376a-3p;miR-376b-3p;miR-377-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-544a;miR-615-3p;miR-92b-3p
PCLO	20	miR-1185-5p;miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-323a-3p;miR-376c-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p
PDE4C	10	miR-1193;miR-127-3p;miR-376a-3p;miR-424-5p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-503-5p
PDZD2	12	miR-1193;miR-1197;miR-127-3p;miR-370-3p;miR-380-3p;miR-412-3p;miR-433-3p;miR-487b-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-758-3p
PDZRN4	11	miR-127-3p;miR-154-5p;miR-216b-5p;miR-323a-3p;miR-370-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-487b-3p;miR-655-3p
PIEZO2	11	miR-1197;miR-136-5p;miR-216b-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-493-3p;miR-541-5p;miR-543;miR-758-3p
PIK3C2G	15	miR-1197;miR-127-3p;miR-218-5p;miR-337-5p;miR-370-3p;miR-412-3p;miR-432-5p;miR-450a-5p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-539-5p;miR-543
PIP5K1B	10	miR-127-3p;miR-136-5p;miR-154-5p;miR-381-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-544a
PIWIL3	10	miR-1197;miR-127-3p;miR-136-5p;miR-218-5p;miR-485-5p;miR-487a-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p
PKD1L2	12	miR-1193;miR-134-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-381-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p
PKHD1L1	12	miR-1193;miR-154-5p;miR-370-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-543;miR-92b-3p
PKP1	10	miR-1185-5p;miR-1193;miR-154-5p;miR-299-3p;miR-381-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-487b-3p;miR-541-5p
PLB1	10	miR-1197;miR-127-3p;miR-370-3p;miR-376b-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-758-3p
PLCB4	12	miR-1193;miR-127-3p;miR-154-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-758-3p
PLCE1	21	miR-1193;miR-127-3p;miR-134-5p;miR-299-3p;miR-329-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-495-3p;miR-503-5p;miR-758-3p;miR-92b-3p
PLCH1	12	miR-127-3p;miR-134-5p;miR-154-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-496;miR-541-5p

PLEKHA7	14	miR-127-3p;miR-134-5p;miR-370-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-543;miR-615-3p;miR-92b-3p
PLEKHG6	12	miR-1197;miR-127-3p;miR-134-5p;miR-299-3p;miR-370-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p
PLXNA4	15	miR-1193;miR-154-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-542-3p;miR-615-3p;miR-92b-3p
PLXNB1	17	miR-1193;miR-127-3p;miR-154-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-543;miR-758-3p
PLXNB3	10	miR-1193;miR-216b-5p;miR-370-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p
PPFIA2	21	miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-377-3p;miR-382-5p;miR-409-3p;miR-424-5p;miR-432-5p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-539-5p;miR-541-5p;miR-615-3p;miR-92b-3p
PPFIA3	12	miR-134-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-424-5p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-493-3p;miR-503-5p;miR-543;miR-615-3p
PPFIBP2	13	miR-1185-5p;miR-1193;miR-329-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-615-3p;miR-758-3p
PPIP5K1	21	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-370-3p;miR-379-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487b-3p;miR-496;miR-543;miR-615-3p;miR-92b-3p
PRG4	11	miR-1185-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-433-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p
PRLR	15	miR-1193;miR-1197;miR-134-5p;miR-299-3p;miR-337-5p;miR-370-3p;miR-376c-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-487a-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p
PRUNE2	18	miR-1193;miR-127-3p;miR-216b-5p;miR-329-3p;miR-337-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-496;miR-503-5p;miR-539-5p;miR-615-3p;miR-758-3p
PTPRB	18	miR-1185-5p;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-382-5p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-543;miR-544a;miR-615-3p;miR-758-3p;miR-92b-3p
PTPRF	10	miR-218-5p;miR-411-5p;miR-424-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-543;miR-758-3p
PTPRK	19	miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-494-3p;miR-495-3p;miR-496;miR-503-5p;miR-541-5p;miR-543;miR-615-3p
PTPRZ1	22	miR-1185-5p;miR-1193;miR-134-5p;miR-370-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-450b-5p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-539-5p;miR-541-5p;miR-542-3p;miR-544a;miR-615-3p;miR-758-3p
PWWP3B	10	miR-1193;miR-154-5p;miR-381-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p
RAPGEF4	12	miR-127-3p;miR-134-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-503-5p;miR-758-3p
RASGRP1	14	miR-1185-5p;miR-154-5p;miR-337-5p;miR-370-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-541-5p;miR-92b-3p
RASGRP2	12	miR-136-5p;miR-218-5p;miR-299-3p;miR-370-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-543
RELN	15	miR-1193;miR-1197;miR-136-5p;miR-299-3p;miR-323a-3p;miR-337-5p;miR-382-5p;miR-412-3p;miR-431-3p;miR-450a-5p;miR-485-3p;miR-493-3p;miR-542-3p;miR-758-3p;miR-92b-3p

RGS6	10	miR-1193;miR-329-3p;miR-379-5p;miR-412-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-758-3p
RIMS2	12	miR-1193;miR-154-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-495-3p;miR-543;miR-758-3p
RNF43	14	miR-127-3p;miR-134-5p;miR-329-3p;miR-370-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
ROBO4	10	miR-1193;miR-216b-5p;miR-299-3p;miR-379-5p;miR-409-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-539-5p;miR-541-5p
RP1	17	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-337-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-433-3p;miR-450a-5p;miR-487b-3p;miR-541-5p;miR-615-3p;miR-656-3p
RP1L1	11	miR-134-5p;miR-323a-3p;miR-381-3p;miR-412-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-543;miR-615-3p;miR-92b-3p
RYR2	16	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-323a-3p;miR-337-5p;miR-409-3p;miR-424-5p;miR-431-3p;miR-450a-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-496;miR-543
RYR3	27	miR-1193;miR-1197;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-337-5p;miR-370-3p;miR-376a-3p;miR-376b-3p;miR-376c-3p;miR-381-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-487a-5p;miR-487b-3p;miR-496;miR-503-5p;miR-543;miR-615-3p;miR-758-3p;miR-92b-3p
SCARB1	10	miR-127-3p;miR-154-5p;miR-216b-5p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-615-3p
SCEL	11	miR-1193;miR-127-3p;miR-154-5p;miR-329-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-541-5p;miR-615-3p
SCN1A	14	miR-127-3p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-615-3p;miR-758-3p
SCN5A	16	miR-127-3p;miR-134-5p;miR-136-5p;miR-299-3p;miR-370-3p;miR-381-3p;miR-382-5p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-496;miR-543;miR-758-3p;miR-92b-3p
SCN7A	11	miR-134-5p;miR-323a-3p;miR-380-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-92b-3p
SEMA4A	11	miR-1193;miR-1197;miR-134-5p;miR-370-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-544a;miR-615-3p;miR-92b-3p
SEMA4G	10	miR-1197;miR-134-5p;miR-216b-5p;miR-382-5p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-539-5p;miR-615-3p
SERPINB7	11	miR-299-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450b-5p;miR-503-5p;miR-539-5p;miR-543;miR-544a;miR-92b-3p
SEZ6	13	miR-127-3p;miR-134-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487b-3p;miR-494-3p;miR-496;miR-503-5p;miR-92b-3p
SGIP1	13	miR-1193;miR-1197;miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-615-3p;miR-92b-3p
SH3RF2	11	miR-154-5p;miR-216b-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-758-3p
SHANK2	14	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-379-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-493-3p;miR-541-5p
SHROOM3	10	miR-154-5p;miR-409-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-758-3p;miR-92b-3p
SLC14A1	10	miR-1193;miR-134-5p;miR-376c-3p;miR-431-3p;miR-433-3p;miR-487a-3p;miR-487a-5p;miR-487b-3p;miR-494-3p;miR-541-5p
SLC43A1	11	miR-127-3p;miR-134-5p;miR-329-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p;miR-615-3p

SLC44A3	17	miR-1193;miR-134-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-329-3p;miR-382-5p;miR-411-5p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-494-3p;miR-503-5p;miR-615-3p
SLC4A11	10	miR-134-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-485-5p;miR-493-3p;miR-503-5p;miR-543;miR-615-3p
SLC4A5	13	miR-1197;miR-127-3p;miR-134-5p;miR-299-3p;miR-329-3p;miR-370-3p;miR-382-5p;miR-412-3p;miR-433-3p;miR-450a-5p;miR-487a-5p;miR-493-3p;miR-541-5p
SLC5A1	18	miR-1193;miR-154-5p;miR-299-3p;miR-370-3p;miR-379-5p;miR-380-3p;miR-382-5p;miR-410-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-758-3p;miR-92b-3p
SLC5A9	11	miR-1193;miR-216b-5p;miR-411-5p;miR-412-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
SLC7A2	11	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-216b-5p;miR-432-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-758-3p
SLC8A3	15	miR-216b-5p;miR-218-5p;miR-370-3p;miR-381-3p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-543;miR-615-3p;miR-92b-3p
SLCO5A1	11	miR-1193;miR-134-5p;miR-299-3p;miR-370-3p;miR-379-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-503-5p;miR-543;miR-758-3p
SNCAIP	12	miR-127-3p;miR-134-5p;miR-299-3p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-503-5p;miR-543;miR-615-3p
SNED1	12	miR-154-5p;miR-216b-5p;miR-337-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-92b-3p
SORBS1	17	miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-376a-3p;miR-376b-3p;miR-382-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-758-3p;miR-92b-3p
SORCS2	12	miR-1197;miR-154-5p;miR-337-5p;miR-370-3p;miR-431-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-758-3p;miR-92b-3p
SOX5	14	miR-1197;miR-127-3p;miR-136-5p;miR-154-5p;miR-329-3p;miR-370-3p;miR-382-5p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-541-5p;miR-615-3p;miR-655-3p
SPARCL1	12	miR-1193;miR-127-3p;miR-329-3p;miR-370-3p;miR-381-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-503-5p;miR-541-5p
SPATA13	12	miR-1197;miR-154-5p;miR-337-5p;miR-382-5p;miR-410-3p;miR-431-3p;miR-433-3p;miR-485-5p;miR-493-3p;miR-496;miR-503-5p;miR-92b-3p
SPECC1	12	miR-134-5p;miR-154-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-544a;miR-615-3p
SPEG	11	miR-127-3p;miR-134-5p;miR-370-3p;miR-376c-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-493-3p;miR-541-5p;miR-615-3p
SPTB	12	miR-154-5p;miR-299-3p;miR-337-5p;miR-376c-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-543;miR-758-3p
SPTBN5	11	miR-381-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p
ST6GAL1	11	miR-1193;miR-1197;miR-127-3p;miR-379-5p;miR-380-3p;miR-410-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487b-3p;miR-758-3p
STRBP	12	miR-1193;miR-136-5p;miR-218-5p;miR-323a-3p;miR-379-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-487a-5p;miR-541-5p;miR-92b-3p
SYNE2	24	miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-376b-3p;miR-380-3p;miR-381-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-543;miR-615-3p;miR-758-3p;miR-889-3p
SYNM	11	miR-299-3p;miR-323a-3p;miR-412-3p;miR-433-3p;miR-485-3p;miR-487a-5p;miR-487b-3p;miR-539-5p;miR-541-5p;miR-543;miR-615-3p
SYNPO2	13	miR-1193;miR-154-5p;miR-299-3p;miR-431-3p;miR-450b-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-758-3p;miR-92b-3p

TACC2	18	miR-1193;miR-127-3p;miR-134-5p;miR-216b-5p;miR-379-5p;miR-381-3p;miR-412-3p;miR-431-3p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-493-3p;miR-503-5p;miR-541-5p;miR-615-3p;miR-92b-3p
TBC1D2	17	miR-1185-5p;miR-134-5p;miR-154-5p;miR-216b-5p;miR-370-3p;miR-379-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-615-3p;miR-758-3p;miR-92b-3p
TBC1D8	14	miR-127-3p;miR-154-5p;miR-218-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-424-5p;miR-485-5p;miR-494-3p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p
TENM2	22	miR-1185-5p;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-329-3p;miR-337-5p;miR-369-3p;miR-380-3p;miR-382-5p;miR-410-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487b-3p;miR-541-5p;miR-544a;miR-615-3p
TGM5	10	miR-1193;miR-216b-5p;miR-323a-3p;miR-431-3p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-495-3p;miR-543;miR-92b-3p
THBS4	11	miR-1197;miR-337-5p;miR-370-3p;miR-379-5p;miR-431-3p;miR-433-3p;miR-485-3p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-758-3p
THSD7A	16	miR-1193;miR-1197;miR-134-5p;miR-216b-5p;miR-337-5p;miR-376b-3p;miR-381-3p;miR-382-5p;miR-409-3p;miR-424-5p;miR-431-3p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-541-5p;miR-615-3p
THSD7B	15	miR-1197;miR-134-5p;miR-154-5p;miR-216b-5p;miR-337-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-485-3p;miR-485-5p;miR-495-3p;miR-496;miR-615-3p;miR-758-3p
TIAM1	21	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-377-3p;miR-379-5p;miR-409-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-3p;miR-487a-3p;miR-487a-5p;miR-494-3p;miR-541-5p;miR-615-3p;miR-758-3p;miR-889-3p;miR-92b-3p
TJP2	13	miR-1185-5p;miR-1197;miR-134-5p;miR-299-3p;miR-409-3p;miR-412-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-493-3p;miR-615-3p;miR-758-3p;miR-92b-3p
TMPRSS3	13	miR-1193;miR-1197;miR-337-5p;miR-370-3p;miR-432-5p;miR-450b-5p;miR-485-5p;miR-487a-3p;miR-487a-5p;miR-493-3p;miR-541-5p;miR-615-3p;miR-92b-3p
TMPRSS5	10	miR-127-3p;miR-299-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p
TNR	10	miR-1193;miR-136-5p;miR-154-5p;miR-382-5p;miR-409-3p;miR-431-3p;miR-487a-5p;miR-487b-3p;miR-615-3p;miR-92b-3p
TNXB	11	miR-1193;miR-127-3p;miR-154-5p;miR-337-5p;miR-379-5p;miR-382-5p;miR-432-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-615-3p
TP63	10	miR-134-5p;miR-370-3p;miR-382-5p;miR-411-5p;miR-424-5p;miR-431-3p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-503-5p
TRAF5	12	miR-1197;miR-134-5p;miR-154-5p;miR-370-3p;miR-409-3p;miR-412-3p;miR-431-3p;miR-450a-5p;miR-485-3p;miR-487b-3p;miR-493-3p;miR-758-3p
TRIM6	10	miR-1197;miR-127-3p;miR-216b-5p;miR-329-3p;miR-409-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-487b-3p;miR-543
TRPM3	19	miR-1193;miR-1197;miR-127-3p;miR-154-5p;miR-216b-5p;miR-329-3p;miR-370-3p;miR-382-5p;miR-409-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-539-5p;miR-541-5p;miR-544a;miR-655-3p
TSGA10	11	miR-134-5p;miR-329-3p;miR-337-5p;miR-380-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-487b-3p;miR-541-5p;miR-543;miR-655-3p
TTLL10	11	miR-1193;miR-127-3p;miR-154-5p;miR-329-3p;miR-370-3p;miR-382-5p;miR-412-3p;miR-433-3p;miR-503-5p;miR-541-5p;miR-615-3p
TTN	41	miR-1185-5p;miR-1193;miR-1197;miR-127-3p;miR-134-5p;miR-136-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-323a-3p;miR-337-5p;miR-370-3p;miR-376c-3p;miR-379-5p;miR-381-3p;miR-382-5p;miR-409-3p;miR-410-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-433-3p;miR-450a-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-494-3p;miR-495-3p;miR-503-5p;miR-539-5p;miR-541-5p;miR-542-3p;miR-543;miR-544a;miR-615-3p;miR-655-3p;miR-758-3p;miR-92b-3p

UNC80	16	miR-1193;miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-409-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-487a-3p;miR-487b-3p;miR-493-3p;miR-495-3p;miR-496;miR-503-5p;miR-539-5p
UNC93A	12	miR-1193;miR-127-3p;miR-134-5p;miR-154-5p;miR-299-3p;miR-370-3p;miR-382-5p;miR-432-5p;miR-493-3p;miR-539-5p;miR-541-5p;miR-615-3p
USP44	10	miR-134-5p;miR-216b-5p;miR-370-3p;miR-382-5p;miR-431-3p;miR-432-5p;miR-485-5p;miR-495-3p;miR-503-5p;miR-543
USP54	17	miR-1193;miR-136-5p;miR-154-5p;miR-216b-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-5p;miR-487b-3p;miR-503-5p;miR-541-5p;miR-615-3p
VAR52	13	miR-1193;miR-127-3p;miR-216b-5p;miR-218-5p;miR-369-3p;miR-382-5p;miR-431-3p;miR-487a-3p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-615-3p;miR-92b-3p
VIT	13	miR-1193;miR-127-3p;miR-134-5p;miR-218-5p;miR-370-3p;miR-410-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-487a-5p;miR-503-5p;miR-541-5p;miR-758-3p
VWA3A	10	miR-136-5p;miR-370-3p;miR-381-3p;miR-431-3p;miR-432-5p;miR-433-3p;miR-485-5p;miR-487a-3p;miR-543;miR-92b-3p
VWA3B	14	miR-127-3p;miR-337-5p;miR-370-3p;miR-382-5p;miR-412-3p;miR-431-3p;miR-432-5p;miR-450a-5p;miR-487a-5p;miR-493-3p;miR-496;miR-541-5p;miR-615-3p;miR-758-3p
VWDE	14	miR-1193;miR-136-5p;miR-216b-5p;miR-218-5p;miR-299-3p;miR-323a-3p;miR-329-3p;miR-370-3p;miR-409-3p;miR-433-3p;miR-503-5p;miR-541-5p;miR-543;miR-615-3p
VWF	12	miR-1193;miR-134-5p;miR-370-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-3p;miR-487b-3p;miR-496;miR-503-5p;miR-541-5p;miR-92b-3p
WDR72	11	miR-127-3p;miR-299-3p;miR-382-5p;miR-412-3p;miR-432-5p;miR-487a-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-615-3p;miR-92b-3p
WNK2	10	miR-1197;miR-154-5p;miR-299-3p;miR-329-3p;miR-412-3p;miR-431-3p;miR-432-5p;miR-485-5p;miR-487a-5p;miR-541-5p
XKRX	10	miR-1193;miR-134-5p;miR-216b-5p;miR-218-5p;miR-337-5p;miR-370-3p;miR-409-3p;miR-485-5p;miR-503-5p;miR-543
ZAN	18	miR-1193;miR-154-5p;miR-329-3p;miR-370-3p;miR-376a-3p;miR-381-3p;miR-382-5p;miR-410-3p;miR-412-3p;miR-424-5p;miR-431-3p;miR-432-5p;miR-485-3p;miR-485-5p;miR-487a-3p;miR-494-3p;miR-541-5p;miR-543
ZNF185	10	miR-1185-5p;miR-1197;miR-127-3p;miR-134-5p;miR-337-5p;miR-485-5p;miR-487b-3p;miR-493-3p;miR-503-5p;miR-92b-3p

Supplementary table S8. DEGs of DE miRNA-DEG couples (down-regulated miRNAs - up-regulated targets) selected for KEGG pathways enrichment analysis.

Binding site	UP-regulated Target	miRNA hits	DOWN-regulated miRNAs
3-prime UTR	ABI2	9	miR-182-5p;miR-183-5p;miR-200b-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-486-5p;miR-95-3p;miR-96-5p
	ADA2	8	miR-1291;miR-135a-2-3p;miR-182-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-3p;miR-486-5p
	ADAM19	6	miR-1291;miR-135b-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-5p
	ADAMTS12	5	miR-1291;miR-486-3p;miR-486-5p;miR-95-3p;miR-96-5p
	ADAMTS4	7	miR-1248;miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-200b-3p;miR-205-5p;miR-216a-5p
	ADCY7	7	miR-1248;miR-200c-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-3p;miR-708-5p
	AFAP1	5	miR-183-5p;miR-375-3p;miR-486-5p;miR-489-3p;miR-708-5p
	AFF3	6	miR-1291;miR-182-5p;miR-183-5p;miR-204-5p;miR-486-5p;miR-96-5p
	ANGPTL4	5	miR-1248;miR-1291;miR-216a-5p;miR-486-3p;miR-96-5p

ANTXR1	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-200b-3p;miR-486-3p;miR-486-5p
AP1S2	5	miR-183-5p;miR-200b-3p;miR-205-5p;miR-486-3p;miR-96-5p
ARSA	6	miR-135a-2-3p;miR-182-5p;miR-183-5p;miR-205-5p;miR-486-3p;miR-96-5p
ARSB	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-204-5p;miR-205-5p;miR-216a-5p
ART4	9	miR-1291;miR-135a-2-3p;miR-183-5p;miR-184;miR-205-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-96-5p
ASPH	6	miR-135a-2-3p;miR-141-3p;miR-182-5p;miR-486-3p;miR-708-5p;miR-95-3p
ASXL3	7	miR-1291;miR-135a-2-3p;miR-182-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-708-5p
BCAT1	8	miR-1248;miR-1291;miR-135a-2-3p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-486-5p;miR-708-5p
C2orf50	6	miR-1248;miR-183-5p;miR-200c-3p;miR-375-3p;miR-486-3p;miR-488-3p
C5orf63	10	miR-1248;miR-1291;miR-135b-5p;miR-141-3p;miR-200b-3p;miR-200c-3p;miR-205-5p;miR-486-3p;miR-489-3p;miR-708-5p
CALHM5	5	miR-135b-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-96-5p
CALML4	7	miR-1248;miR-141-3p;miR-183-5p;miR-205-5p;miR-216a-5p;miR-708-5p;miR-96-5p
CALU	5	miR-1291;miR-182-5p;miR-184;miR-205-5p;miR-488-3p
CAMK2A	6	miR-135a-2-3p;miR-183-5p;miR-184;miR-204-5p;miR-205-5p;miR-216a-5p
CAMK4	5	miR-182-5p;miR-184;miR-200b-3p;miR-200c-3p;miR-489-3p
CAPN6	7	miR-135a-2-3p;miR-141-3p;miR-183-5p;miR-184;miR-486-3p;miR-708-5p;miR-95-3p
CCDC194	5	miR-182-5p;miR-204-5p;miR-486-5p;miR-489-3p;miR-96-5p
CD300LG	5	miR-1291;miR-182-5p;miR-486-3p;miR-486-5p;miR-653-5p
CD86	8	miR-1291;miR-135b-5p;miR-183-5p;miR-205-5p;miR-375-3p;miR-486-3p;miR-708-5p;miR-96-5p
CD99	5	miR-1248;miR-135a-2-3p;miR-141-3p;miR-184;miR-486-5p
CD99L2	6	miR-135a-2-3p;miR-183-5p;miR-205-5p;miR-486-3p;miR-486-5p;miR-708-5p
CDH11	9	miR-141-3p;miR-183-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-486-5p;miR-708-5p
CDH7	5	miR-141-3p;miR-200b-3p;miR-200c-3p;miR-205-5p;miR-451a
CDK6	9	miR-1291;miR-135a-2-3p;miR-141-3p;miR-183-5p;miR-486-3p;miR-486-5p;miR-488-3p;miR-708-5p;miR-95-3p
CDON	5	miR-135a-2-3p;miR-135b-5p;miR-182-5p;miR-205-5p;miR-653-5p
CELF3	5	miR-135a-2-3p;miR-200b-3p;miR-204-5p;miR-708-5p;miR-95-3p
CHST12	6	miR-135b-5p;miR-204-5p;miR-451a;miR-486-5p;miR-489-3p;miR-708-5p
CLEC5A	6	miR-135b-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-486-5p;miR-488-3p
CMKLR1	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-708-5p
CNR2	7	miR-1248;miR-1291;miR-141-3p;miR-200c-3p;miR-204-5p;miR-486-5p;miR-488-3p
CNTLN	8	miR-1291;miR-135b-5p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-486-3p;miR-486-5p
CNTNAP5	6	miR-135a-2-3p;miR-135b-5p;miR-184;miR-200b-3p;miR-486-5p;miR-488-3p
COL8A2	5	miR-1248;miR-204-5p;miR-375-3p;miR-486-3p;miR-486-5p
COLGALT1	7	miR-135a-2-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-708-5p;miR-96-5p
CREB3L2	7	miR-135a-2-3p;miR-141-3p;miR-200b-3p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-96-5p
CRTAP	7	miR-184;miR-200c-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-3p;miR-96-5p

CSRNP3	7	miR-1291;miR-200b-3p;miR-200c-3p;miR-216a-5p;miR-375-3p;miR-486-3p;miR-708-5p
CTSS	5	miR-135a-2-3p;miR-182-5p;miR-204-5p;miR-488-3p;miR-708-5p
CX3CR1	5	miR-1291;miR-135a-2-3p;miR-141-3p;miR-486-3p;miR-96-5p
CYBB	7	miR-182-5p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-488-3p;miR-708-5p
CYBRD1	7	miR-135a-2-3p;miR-183-5p;miR-216a-5p;miR-451a;miR-486-3p;miR-486-5p;miR-96-5p
CYP20A1	7	miR-1291;miR-135a-2-3p;miR-141-3p;miR-182-5p;miR-375-3p;miR-486-5p;miR-96-5p
DCLK1	9	miR-1248;miR-1291;miR-182-5p;miR-183-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p
DDAH1	5	miR-135a-2-3p;miR-141-3p;miR-182-5p;miR-184;miR-486-3p
DISC1	10	miR-1248;miR-1291;miR-183-5p;miR-200b-3p;miR-204-5p;miR-486-3p;miR-488-3p;miR-489-3p;miR-708-5p;miR-96-5p
DKK3	6	miR-1291;miR-135a-2-3p;miR-183-5p;miR-184;miR-200c-3p;miR-486-5p
DLG4	6	miR-200c-3p;miR-204-5p;miR-216a-5p;miR-375-3p;miR-486-3p;miR-653-5p
DNAJC10	11	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-184;miR-200c-3p;miR-204-5p;miR-375-3p;miR-486-3p;miR-708-5p;miR-95-3p;miR-96-5p
DNAL1	8	miR-135a-2-3p;miR-183-5p;miR-204-5p;miR-205-5p;miR-375-3p;miR-486-3p;miR-486-5p;miR-653-5p
DNASE1L1	5	miR-1248;miR-200b-3p;miR-205-5p;miR-489-3p;miR-708-5p
DOK6	5	miR-1248;miR-183-5p;miR-204-5p;miR-205-5p;miR-216a-5p
DPYSL3	6	miR-135b-5p;miR-182-5p;miR-184;miR-200b-3p;miR-204-5p;miR-708-5p
DRAXIN	8	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-200b-3p;miR-204-5p;miR-486-5p;miR-708-5p
DSE	10	miR-1291;miR-135a-2-3p;miR-182-5p;miR-204-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-488-3p;miR-708-5p;miR-96-5p
DUSP6	5	miR-1291;miR-200b-3p;miR-216a-5p;miR-489-3p;miR-96-5p
E2F3	6	miR-135a-2-3p;miR-135b-5p;miR-182-5p;miR-204-5p;miR-216a-5p;miR-486-3p
ELAVL2	6	miR-1291;miR-135a-2-3p;miR-182-5p;miR-184;miR-204-5p;miR-489-3p
ENO4	5	miR-1248;miR-141-3p;miR-182-5p;miR-216a-5p;miR-96-5p
ENTPD6	6	miR-1291;miR-135a-2-3p;miR-200c-3p;miR-204-5p;miR-486-3p;miR-96-5p
ENTPD7	5	miR-1291;miR-200c-3p;miR-486-3p;miR-486-5p;miR-489-3p
ERP29	5	miR-1291;miR-135b-5p;miR-204-5p;miR-375-3p;miR-486-3p
ETV1	6	miR-204-5p;miR-375-3p;miR-486-3p;miR-486-5p;miR-489-3p;miR-96-5p
EXT2	8	miR-1248;miR-141-3p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-216a-5p;miR-486-5p;miR-708-5p
FADS1	5	miR-135a-2-3p;miR-205-5p;miR-216a-5p;miR-489-3p;miR-708-5p
FAM131B	8	miR-1248;miR-135a-2-3p;miR-182-5p;miR-184;miR-205-5p;miR-216a-5p;miR-486-3p;miR-486-5p
FILIP1	5	miR-1291;miR-182-5p;miR-183-5p;miR-184;miR-96-5p
FKBP7	5	miR-1248;miR-135a-2-3p;miR-486-3p;miR-486-5p;miR-708-5p
FLRT2	16	miR-1248;miR-1291;miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-5p;miR-489-3p;miR-653-5p;miR-96-5p
FRMPD4	5	miR-1291;miR-141-3p;miR-183-5p;miR-216a-5p;miR-708-5p
FSTL1	7	miR-135a-2-3p;miR-200b-3p;miR-200c-3p;miR-205-5p;miR-375-3p;miR-486-5p;miR-96-5p
GALNT16	7	miR-1248;miR-1291;miR-135a-2-3p;miR-183-5p;miR-486-3p;miR-486-5p;miR-708-5p

GALNT5	5	miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-204-5p;miR-486-5p
GDF11	5	miR-141-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-708-5p
GDF7	9	miR-1248;miR-183-5p;miR-184;miR-216a-5p;miR-486-3p;miR-486-5p;miR-489-3p;miR-708-5p;miR-96-5p
GFPT1	5	miR-135a-2-3p;miR-183-5p;miR-200b-3p;miR-486-5p;miR-96-5p
GFRA1	8	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-184;miR-205-5p;miR-216a-5p;miR-486-3p;miR-708-5p
GNAL	5	miR-135a-2-3p;miR-183-5p;miR-200c-3p;miR-486-5p;miR-96-5p
GNE	5	miR-135a-2-3p;miR-135b-5p;miR-375-3p;miR-451a;miR-486-5p
GPR135	6	miR-182-5p;miR-183-5p;miR-184;miR-205-5p;miR-653-5p;miR-708-5p
GPRIN3	7	miR-135a-2-3p;miR-182-5p;miR-184;miR-216a-5p;miR-486-5p;miR-489-3p;miR-708-5p
GRAP2	5	miR-183-5p;miR-200b-3p;miR-205-5p;miR-486-3p;miR-486-5p
GSG1L	7	miR-1248;miR-183-5p;miR-204-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-95-3p
GUCY1A2	9	miR-1291;miR-135a-2-3p;miR-184;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-95-3p
GXYLT1	6	miR-1248;miR-135b-5p;miR-182-5p;miR-451a;miR-486-5p;miR-708-5p
H6PD	5	miR-1248;miR-182-5p;miR-204-5p;miR-486-3p;miR-486-5p
HACD4	8	miR-1291;miR-135a-2-3p;miR-182-5p;miR-200c-3p;miR-205-5p;miR-216a-5p;miR-375-3p;miR-708-5p
HIC1	5	miR-135a-2-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-708-5p
HM13	7	miR-135a-2-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-5p;miR-488-3p;miR-96-5p
HSD17B3	5	miR-1291;miR-135a-2-3p;miR-204-5p;miR-216a-5p;miR-96-5p
HUS1	6	miR-135a-2-3p;miR-182-5p;miR-200c-3p;miR-486-5p;miR-708-5p;miR-96-5p
HYOU1	5	miR-135a-2-3p;miR-183-5p;miR-204-5p;miR-205-5p;miR-708-5p
IFNAR1	6	miR-1291;miR-135a-2-3p;miR-183-5p;miR-204-5p;miR-486-3p;miR-653-5p
IFNAR2	5	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-200b-3p;miR-486-3p
IGF2BP1	7	miR-135a-2-3p;miR-183-5p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-653-5p
IGFBP5	5	miR-135a-2-3p;miR-204-5p;miR-205-5p;miR-375-3p;miR-486-5p
IL17RD	5	miR-1291;miR-141-3p;miR-200c-3p;miR-216a-5p;miR-708-5p
IPCEF1	5	miR-1291;miR-135a-2-3p;miR-200c-3p;miR-486-3p;miR-486-5p
ITSN1	5	miR-135a-2-3p;miR-204-5p;miR-205-5p;miR-486-5p;miR-708-5p
JAKMIP3	8	miR-135a-2-3p;miR-141-3p;miR-184;miR-200b-3p;miR-204-5p;miR-216a-5p;miR-486-5p;miR-708-5p
KCNQ2	6	miR-1248;miR-1291;miR-183-5p;miR-200c-3p;miR-204-5p;miR-486-3p
KCTD16	7	miR-1248;miR-135a-2-3p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-489-3p;miR-708-5p
KDELR2	5	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-204-5p;miR-486-5p
KIAA1549	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-200b-3p;miR-204-5p;miR-205-5p;miR-486-3p
KLRD1	9	miR-135a-2-3p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-486-5p;miR-96-5p
KY	5	miR-1291;miR-135a-2-3p;miR-182-5p;miR-486-3p;miR-486-5p
L3MBTL3	6	miR-141-3p;miR-183-5p;miR-200b-3p;miR-204-5p;miR-205-5p;miR-486-3p
LRPAP1	7	miR-1291;miR-135b-5p;miR-200b-3p;miR-205-5p;miR-486-5p;miR-489-3p;miR-708-5p
MAP4K4	6	miR-182-5p;miR-183-5p;miR-184;miR-204-5p;miR-205-5p;miR-488-3p

MMP16	6	miR-135a-2-3p;miR-184;miR-200c-3p;miR-216a-5p;miR-486-3p;miR-486-5p
MMP19	6	miR-1248;miR-204-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-708-5p
MPZL1	7	miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-184;miR-205-5p;miR-486-3p;miR-488-3p
MTHFD2	5	miR-1291;miR-200c-3p;miR-216a-5p;miR-486-5p;miR-708-5p
NCALD	8	miR-135a-2-3p;miR-182-5p;miR-200b-3p;miR-216a-5p;miR-375-3p;miR-486-3p;miR-486-5p;miR-708-5p
NLGN1	7	miR-135a-2-3p;miR-141-3p;miR-183-5p;miR-375-3p;miR-486-3p;miR-489-3p;miR-708-5p
NREP	5	miR-135a-2-3p;miR-141-3p;miR-200b-3p;miR-486-3p;miR-95-3p
ORAI2	5	miR-135a-2-3p;miR-183-5p;miR-200c-3p;miR-451a;miR-486-3p
PALS2	5	miR-1248;miR-200b-3p;miR-216a-5p;miR-486-3p;miR-488-3p
PAX8	5	miR-1291;miR-135a-2-3p;miR-200b-3p;miR-204-5p;miR-216a-5p
PDE4D	8	miR-1248;miR-1291;miR-135a-2-3p;miR-182-5p;miR-200b-3p;miR-204-5p;miR-486-3p;miR-489-3p
PDGFC	7	miR-135a-2-3p;miR-182-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-708-5p;miR-96-5p
PGM3	6	miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-205-5p;miR-486-3p;miR-95-3p
PHETA2	5	miR-205-5p;miR-216a-5p;miR-486-3p;miR-486-5p;miR-708-5p
PKNOX1	9	miR-1291;miR-135a-2-3p;miR-141-3p;miR-183-5p;miR-200b-3p;miR-486-3p;miR-488-3p;miR-708-5p;miR-95-3p
PLEKHA3	7	miR-1248;miR-1291;miR-182-5p;miR-183-5p;miR-200c-3p;miR-204-5p;miR-205-5p
PMEPA1	11	miR-1248;miR-1291;miR-135a-2-3p;miR-141-3p;miR-182-5p;miR-183-5p;miR-184;miR-204-5p;miR-486-3p;miR-488-3p;miR-96-5p
POFUT2	6	miR-141-3p;miR-183-5p;miR-200c-3p;miR-375-3p;miR-486-3p;miR-486-5p
PPM1L	7	miR-1291;miR-135b-5p;miR-141-3p;miR-182-5p;miR-183-5p;miR-200b-3p;miR-486-3p
PRCP	6	miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-184;miR-205-5p;miR-96-5p
PRELP	5	miR-135a-2-3p;miR-182-5p;miR-486-3p;miR-486-5p;miR-489-3p
PRICKLE1	5	miR-1291;miR-135a-2-3p;miR-184;miR-489-3p;miR-96-5p
PRICKLE2	8	miR-135a-2-3p;miR-135b-5p;miR-182-5p;miR-486-3p;miR-486-5p;miR-489-3p;miR-708-5p;miR-96-5p
PTGS1	5	miR-1291;miR-135a-2-3p;miR-200c-3p;miR-486-3p;miR-488-3p
PTPRT	8	miR-1248;miR-135a-2-3p;miR-182-5p;miR-204-5p;miR-205-5p;miR-486-5p;miR-488-3p;miR-96-5p
RAB30	9	miR-1248;miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-184;miR-205-5p;miR-486-5p;miR-488-3p;miR-708-5p
RAB6B	7	miR-135a-2-3p;miR-135b-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-5p
RAP2B	8	miR-1291;miR-141-3p;miR-183-5p;miR-200c-3p;miR-216a-5p;miR-489-3p;miR-708-5p;miR-96-5p
RBMS3	5	miR-1291;miR-135a-2-3p;miR-486-3p;miR-486-5p;miR-708-5p
RGS4	6	miR-1291;miR-135b-5p;miR-183-5p;miR-184;miR-204-5p;miR-486-3p
RNF144A	6	miR-135a-2-3p;miR-205-5p;miR-216a-5p;miR-486-3p;miR-489-3p;miR-708-5p
RNF150	8	miR-1291;miR-184;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-3p;miR-708-5p
RUBCNL	9	miR-1248;miR-135a-2-3p;miR-135b-5p;miR-184;miR-216a-5p;miR-486-3p;miR-486-5p;miR-488-3p;miR-489-3p
RUNX1T1	8	miR-182-5p;miR-184;miR-204-5p;miR-205-5p;miR-486-3p;miR-486-5p;miR-489-3p;miR-95-3p
RUNX2	6	miR-1291;miR-183-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-486-5p

SCML4	5	miR-183-5p;miR-200c-3p;miR-375-3p;miR-486-3p;miR-486-5p
SCN4B	6	miR-135b-5p;miR-141-3p;miR-200c-3p;miR-205-5p;miR-486-3p;miR-486-5p
SCRN1	8	miR-135a-2-3p;miR-183-5p;miR-200c-3p;miR-204-5p;miR-216a-5p;miR-486-5p;miR-489-3p;miR-95-3p
SEC61A1	6	miR-135a-2-3p;miR-183-5p;miR-200c-3p;miR-204-5p;miR-451a;miR-489-3p
SEMA5A	6	miR-1291;miR-135a-2-3p;miR-183-5p;miR-486-3p;miR-489-3p;miR-708-5p
SERP1	5	miR-182-5p;miR-184;miR-204-5p;miR-205-5p;miR-486-3p
SESN3	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-184;miR-216a-5p;miR-486-5p;miR-708-5p
SGCD	9	miR-135a-2-3p;miR-182-5p;miR-183-5p;miR-204-5p;miR-205-5p;miR-216a-5p;miR-375-3p;miR-489-3p;miR-708-5p
SH2D5	5	miR-1291;miR-135b-5p;miR-183-5p;miR-216a-5p;miR-486-5p
SLAMF7	6	miR-135a-2-3p;miR-200b-3p;miR-204-5p;miR-216a-5p;miR-486-3p;miR-486-5p
SLC1A2	7	miR-1291;miR-135b-5p;miR-184;miR-200c-3p;miR-216a-5p;miR-486-3p;miR-488-3p
SLFN5	6	miR-1291;miR-135a-2-3p;miR-200c-3p;miR-486-3p;miR-486-5p;miR-489-3p
SLIT3	5	miR-141-3p;miR-204-5p;miR-216a-5p;miR-486-5p;miR-488-3p
SPA17	5	miR-135a-2-3p;miR-184;miR-200c-3p;miR-216a-5p;miR-486-3p
SPCS3	5	miR-182-5p;miR-200b-3p;miR-205-5p;miR-216a-5p;miR-96-5p
SRGAP1	9	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-184;miR-204-5p;miR-486-3p;miR-486-5p;miR-489-3p;miR-96-5p
SRGAP3	9	miR-1248;miR-1291;miR-135a-2-3p;miR-135b-5p;miR-182-5p;miR-183-5p;miR-200b-3p;miR-200c-3p;miR-486-3p
SRPX2	5	miR-184;miR-204-5p;miR-205-5p;miR-486-3p;miR-708-5p
SSR1	11	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-205-5p;miR-486-5p;miR-708-5p
ST3GAL4	5	miR-1291;miR-135b-5p;miR-216a-5p;miR-486-5p;miR-96-5p
ST6GALNAC3	8	miR-182-5p;miR-183-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-216a-5p;miR-486-3p;miR-486-5p
ST8SIA5	5	miR-184;miR-205-5p;miR-375-3p;miR-486-3p;miR-486-5p
STEAP2	10	miR-1291;miR-135a-2-3p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-216a-5p;miR-708-5p;miR-96-5p
SULF1	5	miR-135a-2-3p;miR-182-5p;miR-205-5p;miR-216a-5p;miR-375-3p
SYS1	6	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-200b-3p;miR-486-3p
SYT9	7	miR-135a-2-3p;miR-184;miR-200c-3p;miR-216a-5p;miR-486-3p;miR-489-3p;miR-96-5p
TFEC	9	miR-135a-2-3p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-486-3p;miR-488-3p;miR-96-5p
TGFBR1	6	miR-141-3p;miR-183-5p;miR-184;miR-200b-3p;miR-204-5p;miR-216a-5p
TIFAB	7	miR-135b-5p;miR-141-3p;miR-216a-5p;miR-375-3p;miR-486-3p;miR-486-5p;miR-708-5p
TIGD1	7	miR-1291;miR-135a-2-3p;miR-135b-5p;miR-183-5p;miR-200c-3p;miR-205-5p;miR-486-5p
TMED3	5	miR-183-5p;miR-204-5p;miR-486-3p;miR-486-5p;miR-96-5p
TMEM8B	11	miR-135a-2-3p;miR-135b-5p;miR-141-3p;miR-183-5p;miR-200b-3p;miR-200c-3p;miR-204-5p;miR-451a;miR-486-3p;miR-486-5p;miR-708-5p
TMEM98	7	miR-1248;miR-135a-2-3p;miR-182-5p;miR-184;miR-205-5p;miR-216a-5p;miR-708-5p
TNIP3	6	miR-1248;miR-1291;miR-135a-2-3p;miR-216a-5p;miR-486-3p;miR-489-3p
TRAM2	5	miR-1291;miR-135b-5p;miR-183-5p;miR-184;miR-486-5p
TREM1	6	miR-1248;miR-182-5p;miR-184;miR-205-5p;miR-216a-5p;miR-486-5p

TRIQQ	5	miR-1291;miR-135a-2-3p;miR-183-5p;miR-204-5p;miR-486-3p
TSPAN11	5	miR-135b-5p;miR-183-5p;miR-204-5p;miR-486-3p;miR-96-5p
TUB	7	miR-1248;miR-1291;miR-135a-2-3p;miR-204-5p;miR-205-5p;miR-375-3p;miR-486-3p
UBE2QL1	6	miR-141-3p;miR-182-5p;miR-183-5p;miR-204-5p;miR-216a-5p;miR-708-5p
UNC13A	6	miR-135a-2-3p;miR-135b-5p;miR-204-5p;miR-216a-5p;miR-486-5p;miR-95-3p
VGLL3	8	miR-1291;miR-135a-2-3p;miR-183-5p;miR-205-5p;miR-451a;miR-486-3p;miR-653-5p;miR-708-5p
WNT5A	5	miR-1248;miR-182-5p;miR-216a-5p;miR-489-3p;miR-96-5p
WNT9B	5	miR-135a-2-3p;miR-200c-3p;miR-216a-5p;miR-486-5p;miR-708-5p
ZMAT3	10	miR-1291;miR-135a-2-3p;miR-182-5p;miR-183-5p;miR-184;miR-200c-3p;miR-204-5p;miR-375-3p;miR-486-3p;miR-708-5p
ZNF791	6	miR-135a-2-3p;miR-141-3p;miR-200b-3p;miR-204-5p;miR-451a;miR-486-3p