VAT	T20M	ENSG00000255328.1	-0.007021425	0.043231588	0.869918719		0.001446035	-0.007901122	0.041565642	0.003918409		0.001427623	6.37E-05	0.040074771		1	0.290342246		1	1	ENSG00000272001	*RP1-124F13.7*	-1%
VAT	T20M	ENSG00000255652.2	0.002623989	0.319986542	0.882639456		0.001446552	0.002132884	0.421322715	0.002344227		0.001426209	0.000508825	1.63E-06		1	0.689990302		1	1	ENSG00000272005	*RP1-124F13.7*	19%
VAT	T20M	ENSG00000256363.1	-0.00313376	0.376186175	0.869563788		0.001446587	-0.003224797	0.364084872	0.003563489		0.001428179	8.10E-05	0.002845118		1	0.715029562		1	1	ENSG00000272005	*RP1-91J19.4*	-3%
VAT	T20M	ENSG00000256436.1	-0.002940465	0.403725476	0.86053215		0.001446601	-0.003022101	0.396768836	0.00352128		0.001428194	8.16E-05	0.003111402		1	0.751469632		1	1	ENSG00000272014	*CTD-3025N20.1*	-3%
VAT	T20M	ENSG00000257092.2	7.65E-05	0.984522631	0.86939449		0.001446718	-1.15E-05	0.997680312	0.003944152		0.001428317	8.80E-05	0.00262162		1	0.997199467		1	1	ENSG00000272041	*GTF2I5*	115%
VAT	T20M	ENSG00000257595.2	0.000209601	0.94434181	0.869295615		0.001446737	0.000273878	0.925591926	0.002973588		0.001428316	6.41E-05	0.001741966		1	0.985989832		1	1	ENSG00000272047	*GTF2I5*	-31%
VAT	T20M	ENSG00000257742.1	-0.003416315	0.384281682	0.86939264		0.001446591	-0.003486957	0.374492014	0.00392635		0.001428185	7.06E-05	0.041393886		1	0.74119987		1	1	ENSG00000272047	*GTF2I5*	-2%
VAT	T20M	ENSG00000257998.2	-0.0032963	0.169158969	0.862598915		0.001446402	-0.003260507	0.174112304	0.002398797		0.001428088	1.82E-05	0.020301692		1	0.544611974		1	1	ENSG00000272129	*RP1-256B2.6*	1%
VAT	T20M	ENSG00000258298.3	0.000366523	0.781168206	0.861319391		0.001446705	0.000336467	0.796695921	0.001319297		0.001428306	3.81E-05	0.012534161		1	0.926541617		1	1	ENSG00000272158	*RP1-47703.1*	8%
VAT	T20M	ENSG00000258408.1	0.001297959	0.225312426	0.862767828		0.001446647	0.001269848	0.228898685	0.002786885		0.001428076	4.81E-05	0.022562284		1	0.606488653		1	1	ENSG00000272158	*RP1-47703.1*	1%
VAT	T20M	ENSG00000258818.1	-0.007297311	0.859644032	0.860374803		0.001446125	-0.007208275	0.86283249	0.003874494		0.001427739	-8.90E-05	0.004733633		1	0.348882898		1	1	ENSG00000272158	*RP1-47703.1*	1%
VAT	T20M	ENSG00000259205.2	-0.000363382	0.765114729	0.860323902		0.001446703	-0.000492518	0.742469922	0.001323905		0.001428209	3.68E-05	0.009122661		1	0.924178486		1	1	ENSG00000272158	*RP1-156D1.1*	-16%
VAT	T20M	ENSG00000259207.3	0.001107617	0.676285321	0.862652735		0.001446689	0.001061177	0.6491 1098	0.002652531		0.00142829	4.64E-05	0.019901193		1	0.889214516		1	1	ENSG00000272158	*RP1-156D1.1*	4%
VAT	T20M	ENSG00000259363.1	-0.000556534	0.899777701	0.860482819		0.001446715	-0.000496611	0.902667578	0.004052472		0.001428314	-5.99E-05	0.045393522		1	0.971329254		1	1	ENSG00000272158	*RP1-156D1.1*	11%
VAT	T20M	ENSG00000260698.1	0.000808686	0.558891002	0.860183578		0.001446661	0.000771801	0.57692969	0.001383464		0.001428265	3.69E-05	0.008461109		1	0.835282459		1	1	ENSG00000272158	*RP1-156D1.1*	5%
VAT	T20M	ENSG00000260778.1	-0.005974221	0.110139939	0.863675978		0.001446291	-0.005032884	0.106601266	0.003676478		0.001427882	5.87E-05	0.043817603		1	0.446074398		1	1	ENSG00000272221	*XXbac-BPG181B23.7*	-1%
VAT	T20M	ENSG00000260302.1	0.011046316	0.003215346	0.865715567		0.001445269	0.011129106	0.003010026	0.003751308		0.001426846	-8.28E-05	0.017332258		1	0.06333018		1	1	ENSG00000272221	*XXbac-BPG181B23.7*	-1%
VAT	T20M	ENSG00000260382.1	-0.004613783	0.154499057	0.86024394		0.001446379	-0.004681216	0.149862419	0.003243662		0.001427869	6.25E-05	0.008944605		1	0.62585298		1	1	ENSG00000272221	*XXbac-BPG181B23.7*	-1%
VAT	T20M	ENSG00000260459.2	-0.005786122	0.263815888	0.860338275		0.001446509	-0.005830669	0.259194412	0.003387863		0.001428103	4.45E-05	0.04139181		1	0.645593101		1	1	ENSG00000272221	*XXbac-BPG181B23.7*	-1%
VAT	T20M	ENSG00000260693.1	0.005555116	0.040503949	0.862711694		0.001446016	0.005405149	0.04273857	0.002751465		0.001427633	6.00E-05	0.003483448		1	0.263731247		1	1	ENSG00000272221	*XXbac-BPG181B23.7*	1%
VAT	T20M	ENSG00000260760.1	0.004091465	0.158603356	0.862902188		0.001446386	0.004017462	0.164239121	0.002901869		0.001427997	7.40E-05	0.003233623		1	0.529057943		1	1	ENSG00000272238	*XXbac-BPG176G12.12*	2%
VAT	T20M	ENSG00000260911.1	0.002393104	0.072947987	0.861334574		0.001446318	0.002414418	0.070405968	0.001334464		0.00142777	-2.21E-05	0.043635122		1	0.374949388		1	1	ENSG00000272238	*XXbac-BPG176G12.12*	-1%
VAT	T20M	ENSG00000261038.1	0.004543529	0.032823341	0.86220415		0.001446088	0.00449858	0.041653222	0.002304989		0.001427624	5.19E-05	0.000326953		1	0.277355346		1	1	ENSG00000272238	*XXbac-BPG176G12.12*	1%
VAT	T20M	ENSG00000261558.4	-0.002226898	0.139842523	0.860153936		0.001446353	-0.002272443	0.133836824	0.001519267		0.001427941	3.41E-05	0.012197786		1	0.506377207		1	1	ENSG00000272238	*XXbac-BPG176G12.12*	-2%
VAT	T20M	ENSG00000261594.1	-0.002395863	0.06461285	0.861296608		0.001446147	-0.001999356	0.123419613	0.001297704		0.00142792	-0.000396507	-1.52E-11		1	0.366873684		1	1	ENSG00000272271	*RP1-179G15.2*	13%
VAT	T20M	ENSG00000261588.1	0.000801103	0.81174473	0.860363496		0.001446708	0.000861164	0.797910973	0.003361243		0.001428306	-6.01E-05	0.040228446		1	0.91898401		1	1	ENSG00000272446	*RP1-191752J1.6*	-7%
VAT	T20M	ENSG00000261760.2	0.011317142	0.00821586	0.860305819		0.00144443	0.011258245	0.006823259	0.003589669		0.001426053	5.89E-05	0.011576533	0.59577412	0	0.009213476	0.641862813	0.641862813	ENSG00000272462	*1703.28.19*	1%
VAT	T20M	ENSG00000262407.1	0.003027052	0.199164986	0.862358685		0.001446443	0.002973862	0.207646045	0.002358497		0.001428052	5.52E-05	0.004149535		1	0.578462883		1	1	ENSG00000272462	*1703.28.19*	2%
VAT	T20M	ENSG00000262855.1	0.000226775	0.884556014	0.86163072		0.001446714	0.000270624	0.866183294	0.001630595		0.00142312	-1.31E-05	0.011460154		1	0.970156303		1	1	ENSG00000272462	*1703.28.19*	-14%
VAT	T20M	ENSG00000262877.3	-0.005617987	0.030594205	0.86041552		0.001445936	-0.00578842	0.03209154	0.003615225		0.001427569	-6.94E-05	0.011562592		1	0.24351523		1	1	ENSG00000272462	*1703.28.19*	1%
VAT	T20M	ENSG00000263063.1	-0.00088258	0.802866195	0.86031972		0.001446707	-0.000818229	0.816160112	0.003519468		0.001428308	-6.44E-05	0.013189955		1	0.935686481		1	1	ENSG00000272462	*1703.28.19*	7%
VAT	T20M	ENSG00000263753.2	0.001331744	0.635224416	0.86028725		0.00144668	0.001241754	0.650222402	0.002807077		0.001428204	9.08E-05	0.008129104		1	0.872170518		1	1	ENSG00000272462	*1703.28.19*	7%
VAT	T20M	ENSG00000266788.1	-0.004267348	0.259497499	0.86037845		0.001446505	-0.00433049	0.252474403	0.003784198		0.001428088	6.31E-05	0.024822391		1	0.646758497		1	1	ENSG00000272462	*1703.28.19*	-1%
VAT	T20M	ENSG00000266734.2	0.001745969	0.430815582	0.86221636		0.001446614	0.001796539	0.451758934	0.002216389		0.001428207	-5.04E-05	0.006172906		1	0.772446787		1	1	ENSG00000272462	*1703.28.19*	-3%
VAT	T20M	ENSG00000266978.1	0.00164328	0.602605705	0.860315963		0.001446672	0.001573415	0.616389954	0.00315969		0.001428275	6.49E-05	0.004573201		1	0.856270416		1	1	ENSG00000272505	*RP1-94167.6*	4%
VAT	T20M	ENSG00000267698.1	0.000980663	0.780195212	0.862548586		0.001446691	0.001045723	0.827239561	0.002546396		0.001428288	-6.01E-05	0.008157631		1	0.902220475		1	1	ENSG00000272541	*XBac-BPG4PC25C20.1*	-8%
VAT	T20M	ENSG00000267100.1	0.006050943	0.12523996	0.863946952		0.001446325	0.005961947	0.133877177	0.003946599		0.001427856	8.90E-05	0.000966828		1	0.47949721		1	1	ENSG00000272550	*RP1-163BJ.1*	1%
VAT	T20M	ENSG00000267302.1	-0.004774165	0.025799697	0.862141496		0.001445887	-0.004023099	0.02429738	0.002141314		0.001427469	4.89E-05	0.002463121		1	0.219896856		1	1	ENSG00000272550	*RP1-163BJ.1*	-1%
VAT	T20M	ENSG00000267346.1	0.004326118	0.086734727	0.862469606		0.001446227	0.004277272	0.08325521	0.002469405		0.001427816	-4.72E-05	0.016476892		1	0.465864919		1	1	ENSG00000272550	*RP1-163BJ.1*	-1%
VAT	T20M	ENSG00000267508.1	0.003944917	0.081233427	0.862262554		0.00144621	0.003993182	0.077543277	0.002262378		0.001427786	-4.84E-05	0.011606575		1	0.394725806		1	1	ENSG00000272634	*DOC2B*	-1%
VAT	T20M	ENSG00000267534.1	0.002716703	0.376168044	0.86036074		0.001446587	0.002789057	0.363543769	0.003669505		0.001428179	-7.24E-05	0.005700878		1	0.715029562		1	1	ENSG00000272634	*DOC2B*	-1%
VAT	T20M	ENSG00000267698.1	0.002845466	0.47939137	0.860422274		0.001446634	0.002912284	0.469080702	0.004021927		0.001428229	-6.68E-05	0.023822936		1	0.794623441		1	1	ENSG00000272732	*RP5-1196W4.2*	-2%
VAT	T20M	ENSG00000268362.1	0.000365755	0.84182413	0.860355585		0.001446711	0.000397863	0.830299608	0.00185542		0.001428309	-3.21E-05	0.013387762		1	0.953374912		1	1	ENSG00000272731	*KB-2080J9.1*	-9%
VAT	T20M	ENSG00000268433.1	0.005614675	0.051681825	0.862885543		0.001446685	0.005670765	0.049771314	0.002885334		0.001427822	-5.61E-05	0.010851805		1	0.321980899		1	1	ENSG00000272731	*KB-2080J9.1*	-1%
VAT	T20M	ENSG00000268518.1	-0.00204711	0.467853031	0.862839433		0.00144663	-0.001964275	0.481669258	0.00282022		0.001428234	-4.28E-05	0.010106659		1	0.786907394		1	1	ENSG00000272731	*KB-2080J9.1*	3%
VAT	T20M	ENSG00000268658.1	0.00065193	0.661655245	0.860499686		0.001446686	0.000697788	0.639503169	0.001489575		0.001428328	-4.58E-05	0.008462819		1	0.879857817		1	1	ENSG00000272775	*RP1-171L19.8*	-7%
VAT	T20M	ENSG00000268668.1	0.002637484	0.485458202	0.860781061		0.001446636	0.002732517	0.471462879	0.003780735		0.00142823	-8.58E-05	0.002085529		1	0.796303817		1	1	ENSG00000272775	*LL22NC03-88A10.6*	-3%
VAT	T20M	ENSG00000269438.1	0.001280044	0.54638944	0.860989792		0.001446657	0.001153985	0.561913539	0.003198923		0.001428261	-4.61E-05	0.003181043		1	0.825784596		1	1	ENSG00000272795	*KB-1264F1.2*	4%
VAT	T20M	ENSG00000270620.1	0.000811662	0.643505993	0.86072715		0.001446681	0.000757368	0.661097096	0.00172758		0.001428285	5.41E-05	0.000168154		1	0.872170518		1	1	ENSG00000272799	*RP1-147H24.6*	7%
VAT	T20M	ENSG00000270727.1	-0.000327669	0.774639451	0.860144402		0.001446704	-0.000357471	0.757479963	0.001144119		0.001428301	2.98E-05	0.001703035		1	0.92045167		1	1	ENSG00000272816	*1703.28.22*	-9%
VAT	T20M	ENSG00000270747.1	-0.000788659	0.803457794	0.860168899		0.001446707	-0.000833015	0.793626479	0.00316862		0.001428305	4.44E-05	0.046919999		1	0.935672368		1	1	ENSG00000272816	*1703.28.22*	-6%
VAT	T20M	ENSG00000270604.1	-0.000407744	0.986144151	0.860465856		0.001446715	0.000760518	0.825629561	0.003488342		0.001428309	-0.001176262	0.003187124		1	0.976457564		1	1	ENSG00000272816	*1703.28.22*	288%
VAT	T20M	ENSG00000270775.1	0.002711155	0.367157957	0.860328519		0.001446582	-0.002803194	0.354615903	0.003028274		0.00142174	7.20E-05	0.002994165		1	0.72798382		1	1	ENSG00000272849	*RP1-147J10.8*	-3%
VAT	T20M	ENSG00000270876.1	0.006047899	0.766140389	0.860214871		0.001446703	0.000725335	0.753990225	0.002314479		0.001428301	-1.75E-05	0.037282536		1	0.924615781		1	1	ENSG00000272849	*RP1-147J10.8*	-5%
VAT	T20M	ENSG00000270972.1	-0.005852778	0.052599935	0.862060605		0.00144609	-0.005097328	0.050526121	0.002686701		0.001427678	4.64E-05	0.045700751		1	0.324753424		1	1	ENSG00000272849	*RP1-147J10.8*	-1%
VAT	T20M	ENSG00000271503.1	0.004329266	0.008839175	0.860729901		0.001445572	0.004568512	0.008573633	0.001729766		0.001427356	-2.11E-05	0.031199612		1	0.115621435		1	1	ENSG00000272875	*RP1-49K413.4*	-1%
VAT	T20M	ENSG00000271581.1	0.0143779	0.000493947	0.860423788		0.001446609	0.016317717	1.81E-05	0.004272565		0.001425246	-0.001939817	0.000378223	0.049924611	0.049924611	ENSG00000272902	*RP1-294H21.1*	-27%
VAT	T20M	ENSG00000271701.1	-0.009975923	0.00834596	0.860346211		0.001445286	-0.009790792	0.008456743	0.001466537		0.001426086	-0.000261131	0.000172401		1	0.066486669		1	1	ENSG00000272902	*RP1-294H21.1*	3%
VAT	T20M	ENSG00000271755.1	0.000764464	0.647501338	0.860171922		0.001446683	-0.001240451	0.459152833	0.001675735		0.001428225	0.000473988	1.92E-05		1	0.872170518		1	1	ENSG00000272947	*RP1-71H17.9*	-62%
VAT	T20M	ENSG00000271788.1	0.001813254	0.429286094	0.86027407		0.001446612	0.001741769	0.444532923	0.002272327		0.001428219	5.15E-05	0.000134189		1	0.770846633		1	1	ENSG00000272947	*RP1-71H17.9*	4%
VAT	T20M	ENSG00000272047.1	0.001144762	0.439768458	0.86014173		0.001446618	0.001119536	0.449878808	0.001481617		0.001428222	2.52E-05	0.047237586		1	0.776192453		1	1	ENSG00000273043	*RP1-50A922.12*	2%
VAT	T20M	ENSG00000272156.1	-0.003414489	0.360582955	0.860229156		0.001446539	-0.003483665	0.298845559	0.002298883		0.001428311	6.91E-05	0.00706195		1	0.675577326		1	1	ENSG00000273058	*RP1-179G22.8*	-2%
VAT	T20M	ENSG00000272195.1	0.000492854	0.817171282	0.86213186		0.001446709	0.000535854	0.801523419	0.00231168		0.001428306	-4.39E-05	0.007478741		1	0.940923129		1	1	ENSG00000273142	*RP1-145F8.4*	-9%
VAT	T20M	ENSG00000272236.1	0.001442858	0.513734817	0.862960816		0.001446653	0.001953197	0.518907695	0.003015827		0.00142303	-0.002113139	0.000245413		1	0.818052082		1	1	ENSG00000273206	*AC006946.16*	-115%
VAT	T20M	ENSG00000272275.1	-0.004756375	0.018564387	0.862011906		0.001445792	-0.004706221	0.019316142	0.002611738		0.001427403	-3.02E-05	0.049616514		1	0.182991811		1	1	ENSG00000273206	*AC006946.16*	1%
VAT	T20M	ENSG00000272462.2	0.008027655	0.730312422	0.860069408		0.001446698	-7.76E-05	0.908303336	0.000600786		0.001428315	0.000172719	1.34E-13		1	0.910019467		1	1	ENSG00000273275	*RP1-212P7.2*	133%
VAT	T20M	ENSG00000272556.1	0.002374261	0.25452934	0.862083749		0.001446501	0.002292885	0.271135904	0.002083585		0.001428315	8.14E-05	2.40E-06		1	0.646058497		1	1	ENSG00000273278	*RP1-212P7.2*	3%
VAT	T20M	ENSG00000272732.1	0.001786289	0.344161675	0.864802863		0.001446568	0.001719673	0.353623466	0.004001741		0.001428373	6.65E-05	0.039627992		1	0.707155841		1	1	ENSG00000273288	*AP000330.5*	2%
VAT	T20M	ENSG00000272777.1	0.001061749	0.201237748	0.860838767		0.001446445	-0.001083913	0.191954857	0.000369698		0.001428802	2.22E-05	0.000959891		1	0.578462883		1	1	ENSG00000273348	*MICE*	-2%
VAT	T20M	ENSG00000272949.1	0.005948189	0.035918322	0.862787109		0.001446807	-0.005647585	0.042755592	0.002786898		0.001427631	-0.000102444	1.95E-05		1	0.277355346		1	1	ENSG00000273348	*MICE*	2%
VAT	T20M	ENSG00000272902.1	0.005373356	0.133137647	0.860377835		0.001446341	0.005505997	0.122797308	0.003577573		0.001427921	-0.000132641	3.29E-05		1	0.494662312		1	1	ENSG00000273348	*MICE*	-2%
VAT	T20M	ENSG00000273278.1	0.000166644	0.790545362	0.860325862		0.001446707	0.000385047	0.771481896	0.001325751		0.001428303	-4.64E-05	2.28E-06		1	0.934772269		1	1	ENSG00000273348	*MICE*	-14%
VAT	T20M	ENSG00000273340.1	-0.000708649	0.486427186	0.860183169		0.001446637	0.000197253	0.484811377	0.001051949		0.001428311	-0.000005992	7.97E-08		1	0.796303817		1	1	ENSG00000273348	*MICE*	128%

Note: SD is the abbreviation for standard deviation. Residual variance indicates the variance of the residuals from the linear regression model. When calculating coefficient change, we used estimated effect size from standard TWAS as the baseline.