

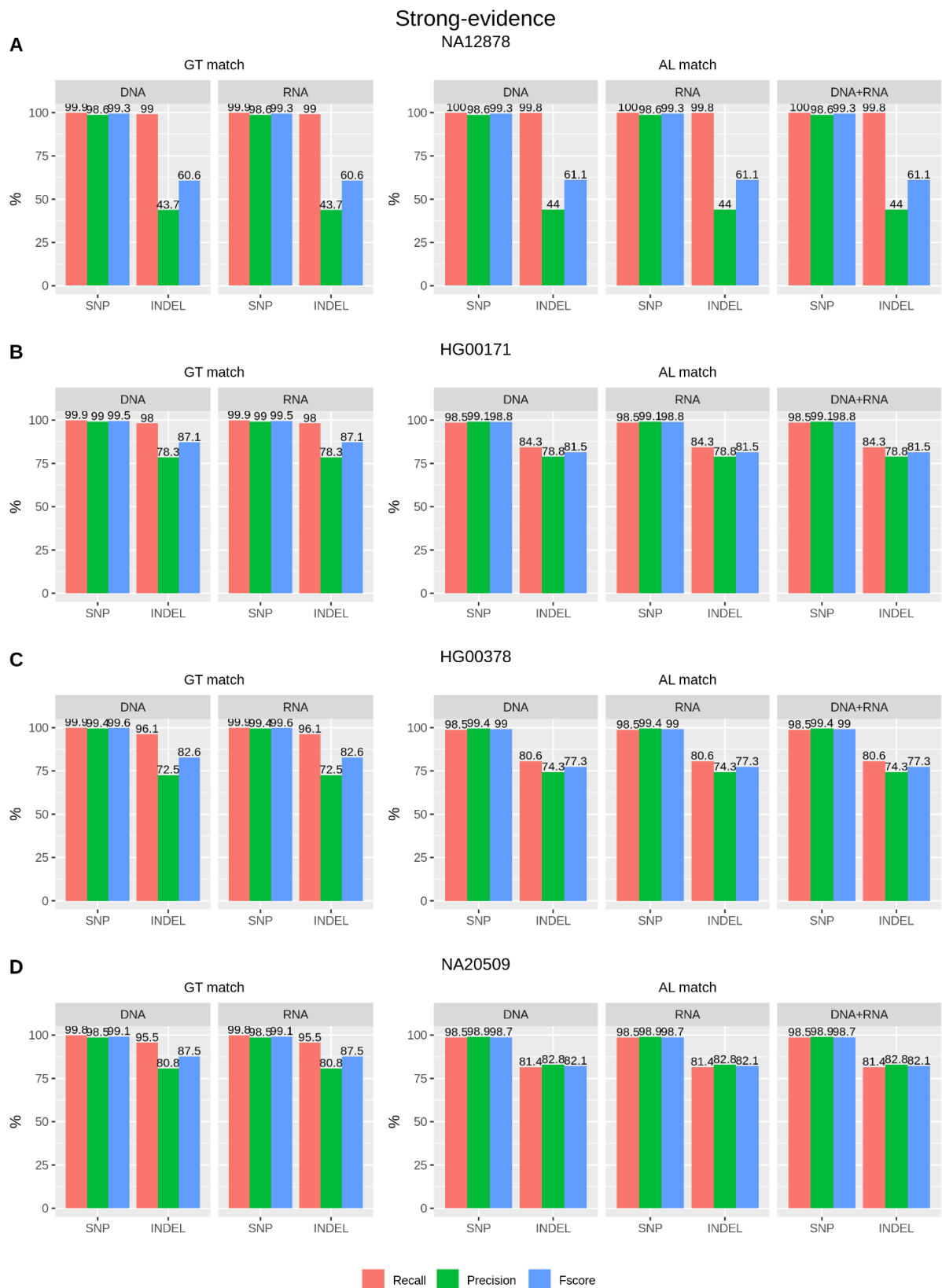
Integration WES and RNA-seq data for short variant discovery

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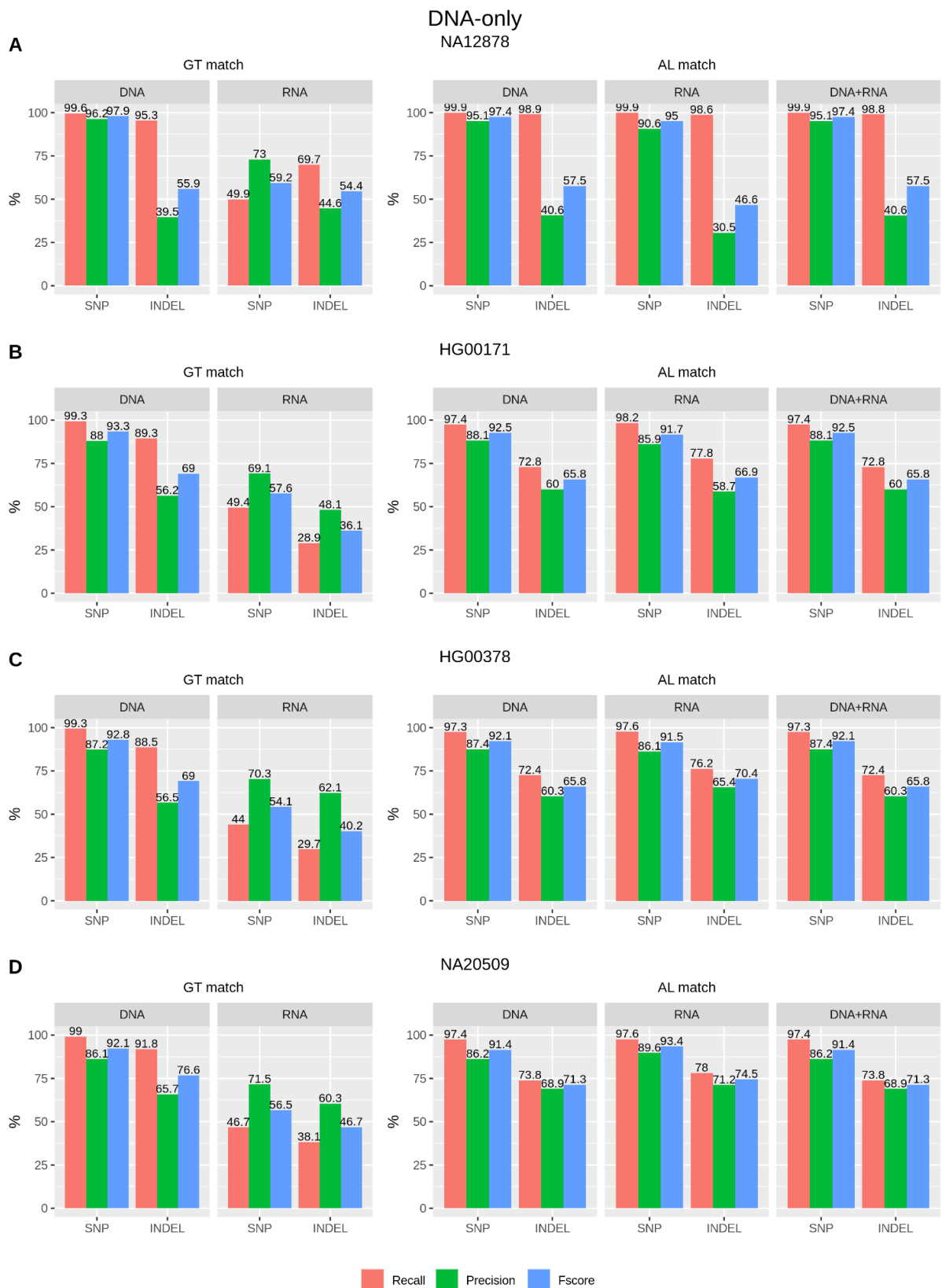
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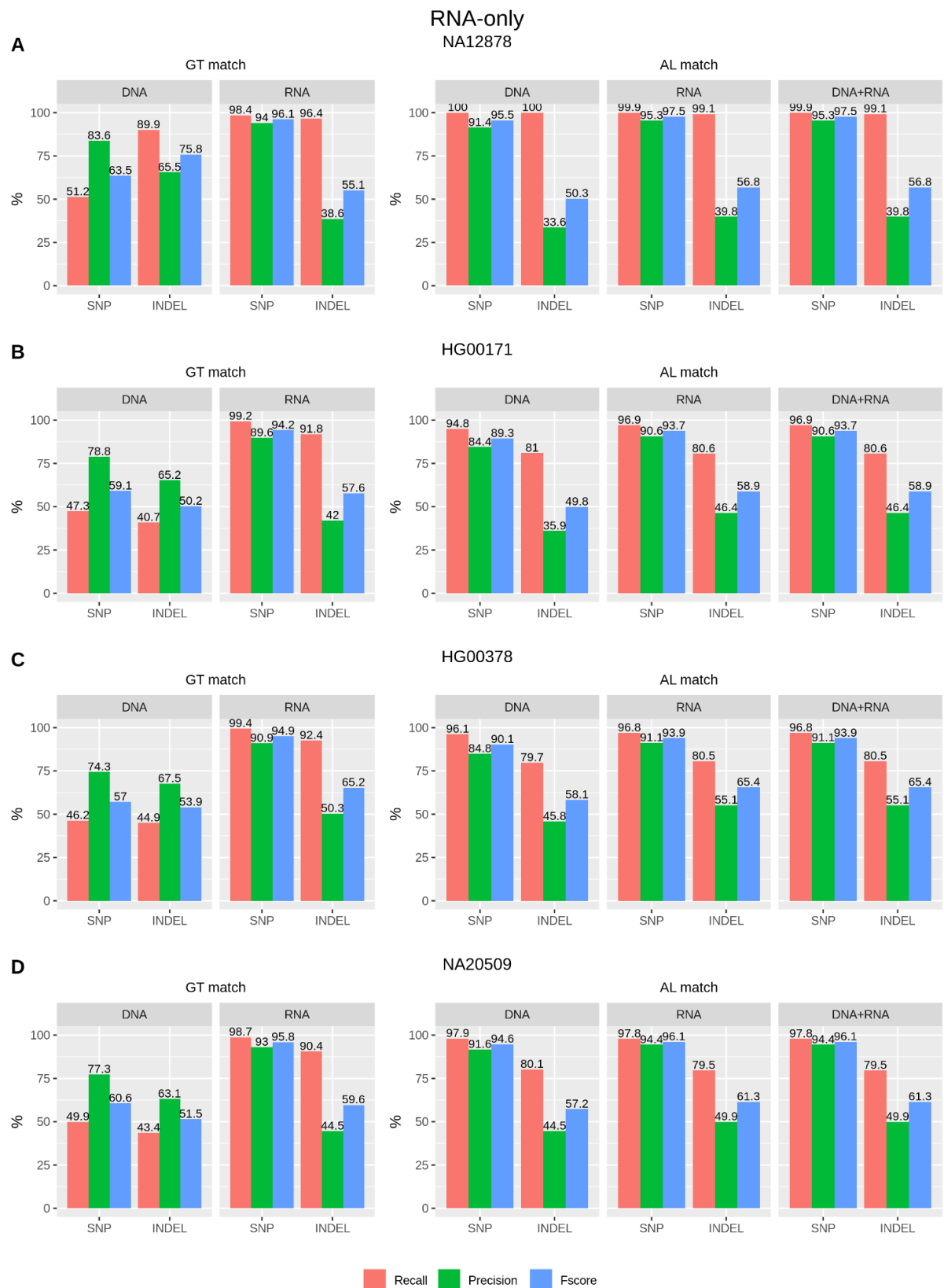
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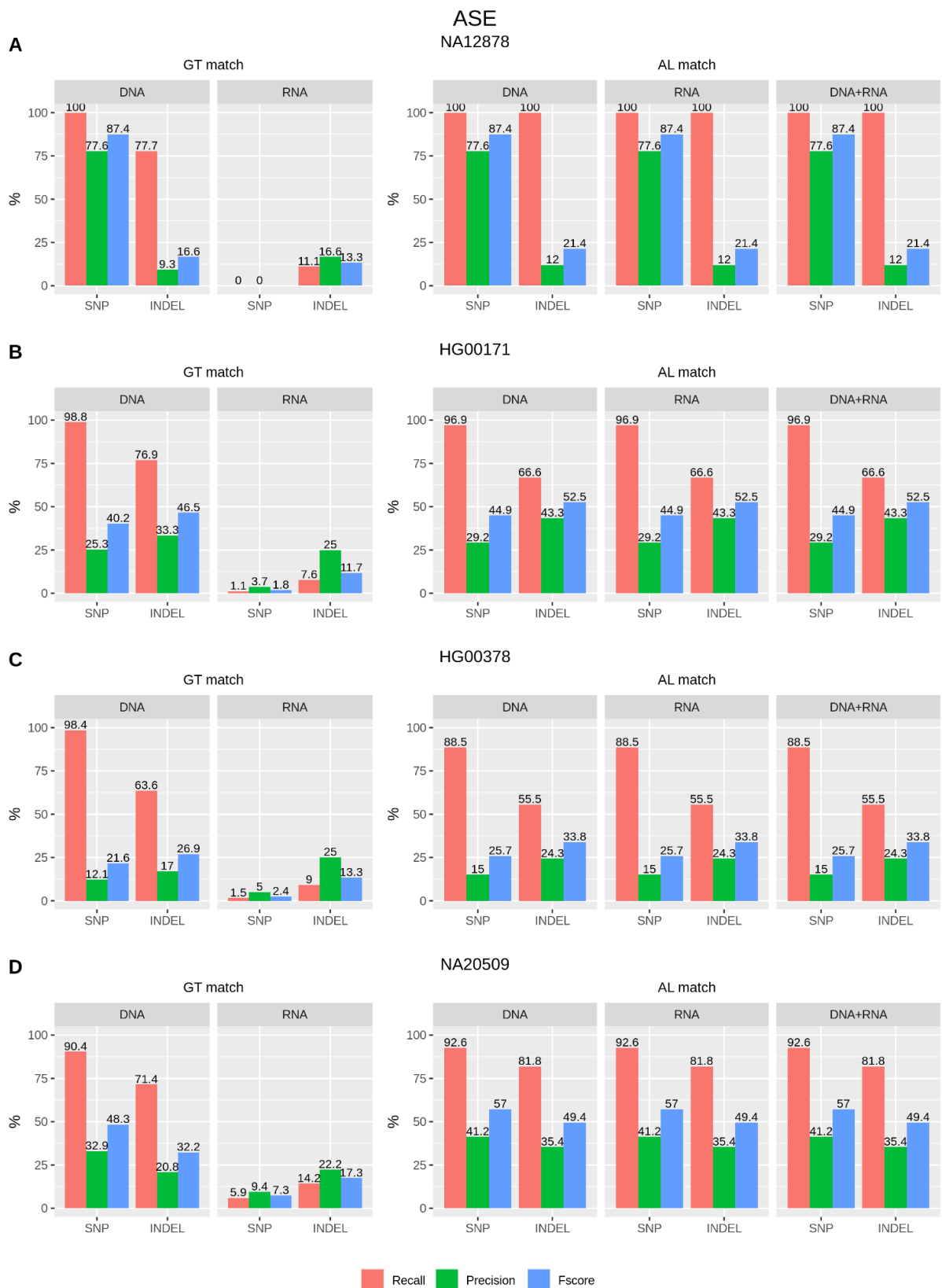
Supplementary Figure S1. Benchmark results of Strong-evidence variants for different samples. Recall, precision and F-score in the identification of Strong-evidence variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.



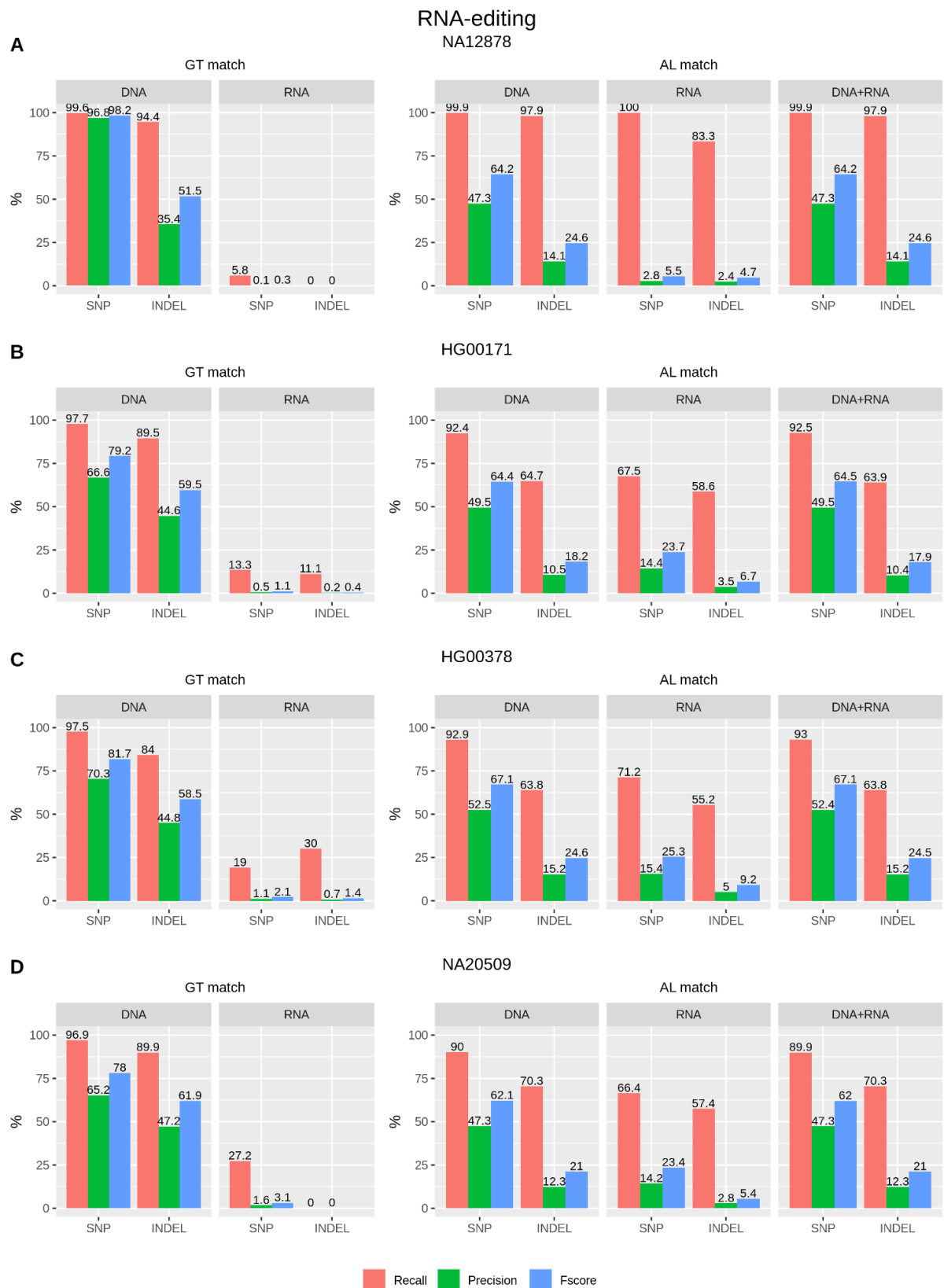
Supplementary Figure S2. Benchmark results of DNA-only variants for different samples. Recall, precision and F-score in the identification of DNA-only variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.



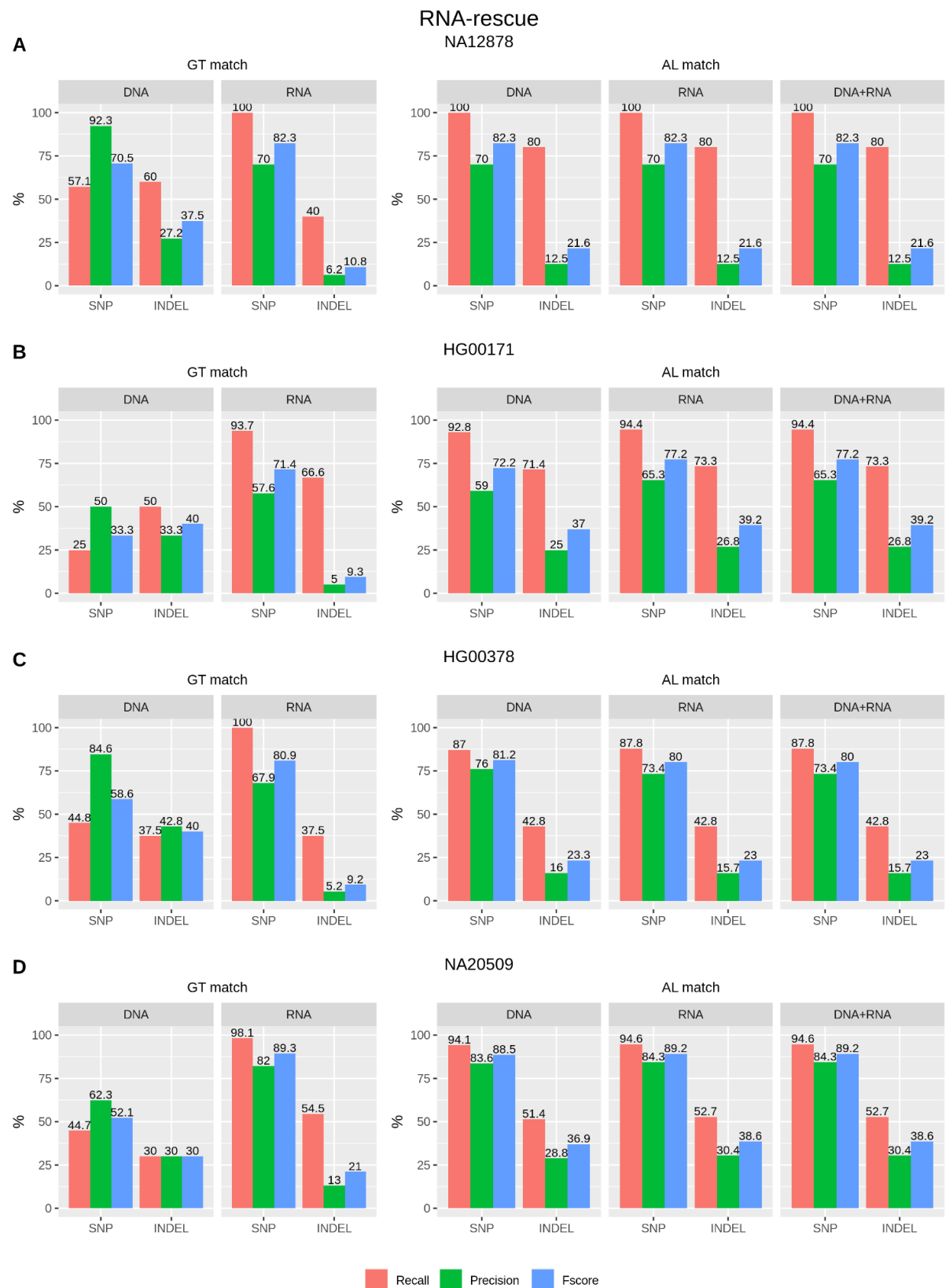
Supplementary Figure S3. Benchmark results of RNA-only variants for different samples. Recall, precision and F-score in the identification of RNA-only variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.



Supplementary Figure S4. Benchmark results of ASE variants for different samples. Recall, precision and F-score in the identification of ASE variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.



Supplementary Figure S5. Benchmark results of RNA-editing variants for different samples. Recall, precision and F-score in the identification of RNA-editing variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.



Supplementary Figure S6. Benchmark results of RNA-rescue variants for different samples. Recall, precision and F-score in the identification of RNA-rescue variants with the integrated approach for NA12878 (A), HG00171 (B), HG00378 (C) and NA20509 (D) considering genotype (GT) and allele (AL) match.

Sample	Data type	Variant type	Match	Total	Variants		Analyzed variant	Recall	Precision	F-score
					SNPs	Indels				
NA12878	DNA	ALL	GT	260535	224987	35548	SNP	0.9965	0.9652	0.9806
NA12878	DNA	ALL	GT	260535	224987	35548	INDEL	0.9567	0.3987	0.5628
NA12878	DNA	ALL	AL	266317	229854	36463	SNP	0.9998	0.9534	0.9761
NA12878	DNA	ALL	AL	266317	229854	36463	INDEL	0.9901	0.4053	0.5751
NA12878	RNA	ALL	GT	47288	42359	4929	SNP	0.9916	0.9614	0.9763
NA12878	RNA	ALL	GT	47288	42359	4929	INDEL	0.9744	0.4027	0.5698
NA12878	RNA	ALL	AL	68881	60859	8022	SNP	0.9998	0.9492	0.9739
NA12878	RNA	ALL	AL	68881	60859	8022	INDEL	0.9929	0.3735	0.5428
NA12878	DNA+RNA	ALL	AL	287333	248646	38687	SNP	0.9998	0.9541	0.9764
NA12878	DNA+RNA	ALL	AL	287333	248646	38687	INDEL	0.9899	0.4058	0.5756
NA12878	DNA	Strong-evidence	GT	21748	19671	2077	SNP	0.9999	0.9863	0.9931
NA12878	DNA	Strong-evidence	GT	21748	19671	2077	INDEL	0.9908	0.437	0.6066
NA12878	DNA	Strong-evidence	AL	21748	19671	2077	SNP	1	0.9864	0.9931
NA12878	DNA	Strong-evidence	AL	21748	19671	2077	INDEL	0.9981	0.4403	0.611
NA12878	RNA	Strong-evidence	GT	21748	19671	2077	SNP	0.9999	0.9863	0.9931
NA12878	RNA	Strong-evidence	GT	21748	19671	2077	INDEL	0.9908	0.437	0.6066
NA12878	RNA	Strong-evidence	AL	21748	19671	2077	SNP	1	0.9864	0.9931
NA12878	RNA	Strong-evidence	AL	21748	19671	2077	INDEL	0.9981	0.4403	0.611
NA12878	DNA+RNA	Strong-evidence	AL	21748	19671	2077	SNP	1	0.9864	0.9931
NA12878	DNA+RNA	Strong-evidence	AL	21748	19671	2077	INDEL	0.9981	0.4403	0.611
NA12878	DNA	DNA-only	GT	238787	205316	33471	SNP	0.9961	0.9627	0.9791
NA12878	DNA	DNA-only	GT	238787	205316	33471	INDEL	0.9534	0.3954	0.559
NA12878	DNA	DNA-only	AL	238787	205316	33471	SNP	0.9997	0.951	0.9748
NA12878	DNA	DNA-only	AL	238787	205316	33471	INDEL	0.989	0.4061	0.5758
NA12878	RNA	DNA-only	GT	20348	17535	2813	SNP	0.4992	0.73	0.5929
NA12878	RNA	DNA-only	GT	20348	17535	2813	INDEL	0.6979	0.4465	0.5446
NA12878	RNA	DNA-only	AL	20348	17535	2813	SNP	0.9998	0.9061	0.9506
NA12878	RNA	DNA-only	AL	20348	17535	2813	INDEL	0.9863	0.3056	0.4667
NA12878	DNA+RNA	DNA-only	AL	238795	205320	33475	SNP	0.9997	0.951	0.9748
NA12878	DNA+RNA	DNA-only	AL	238795	205320	33475	INDEL	0.9888	0.4061	0.5757
NA12878	DNA	RNA-only	GT	4339	3822	517	SNP	0.5122	0.8362	0.6353
NA12878	DNA	RNA-only	GT	4339	3822	517	INDEL	0.899	0.6556	0.7582
NA12878	DNA	RNA-only	AL	4339	3822	517	SNP	1	0.914	0.9551
NA12878	DNA	RNA-only	AL	4339	3822	517	INDEL	1	0.3363	0.5034

NA12878	RNA	RNA-only	GT	25344	22607	2737	SNP	0.9841	0.94	0.9616
NA12878	RNA	RNA-only	GT	25344	22607	2737	INDEL	0.9643	0.3864	0.5517
NA12878	RNA	RNA-only	AL	25344	22607	2737	SNP	0.9998	0.953	0.9758
NA12878	RNA	RNA-only	AL	25344	22607	2737	INDEL	0.9914	0.3985	0.5685
NA12878	DNA+RNA	RNA-only	AL	25344	22607	2737	SNP	0.9998	0.953	0.9758
NA12878	DNA+RNA	RNA-only	AL	25344	22607	2737	INDEL	0.9914	0.3985	0.5685
NA12878	DNA	ASE	GT	1250	967	283	SNP	1	0.7768	0.8744
NA12878	DNA	ASE	GT	1250	967	283	INDEL	0.7777	0.0933	0.1666
NA12878	DNA	ASE	AL	1250	967	283	SNP	1	0.7768	0.8744
NA12878	DNA	ASE	AL	1250	967	283	INDEL	1	0.12	0.2142
NA12878	RNA	ASE	GT	1245	965	280	SNP	0	0	0
NA12878	RNA	ASE	GT	1245	965	280	INDEL	0.1111	0.1666	0.1333
NA12878	RNA	ASE	AL	1245	965	280	SNP	1	0.7768	0.8744
NA12878	RNA	ASE	AL	1245	965	280	INDEL	1	0.12	0.2142
NA12878	DNA+RNA	ASE	AL	1250	967	283	SNP	1	0.7768	0.8744
NA12878	DNA+RNA	ASE	AL	1250	967	283	INDEL	1	0.12	0.2142
NA12878	DNA	RNA-editing	GT	13257	10852	2405	SNP	0.9968	0.9681	0.9823
NA12878	DNA	RNA-editing	GT	13257	10852	2405	INDEL	0.9448	0.3547	0.5158
NA12878	DNA	RNA-editing	AL	13257	10852	2405	SNP	0.9996	0.4737	0.6428
NA12878	DNA	RNA-editing	AL	13257	10852	2405	INDEL	0.9795	0.141	0.2465
NA12878	RNA	RNA-editing	GT	2125	1183	942	SNP	0.0588	0.0016	0.0032
NA12878	RNA	RNA-editing	GT	2125	1183	942	INDEL	0	0	0
NA12878	RNA	RNA-editing	AL	2125	1183	942	SNP	1	0.0283	0.0551
NA12878	RNA	RNA-editing	AL	2125	1183	942	INDEL	0.8333	0.0245	0.0476
NA12878	DNA+RNA	RNA-editing	AL	13264	10857	2407	SNP	0.9996	0.4736	0.6427
NA12878	DNA+RNA	RNA-editing	AL	13264	10857	2407	INDEL	0.9795	0.141	0.2465
NA12878	DNA	RNA-rescue	GT	193	78	115	SNP	0.5714	0.923	0.7058
NA12878	DNA	RNA-rescue	GT	193	78	115	INDEL	0.6	0.2727	0.375
NA12878	DNA	RNA-rescue	AL	193	78	115	SNP	1	0.7	0.8235
NA12878	DNA	RNA-rescue	AL	193	78	115	INDEL	0.8	0.125	0.2162
NA12878	RNA	RNA-rescue	GT	196	81	115	SNP	1	0.7	0.8235
NA12878	RNA	RNA-rescue	GT	196	81	115	INDEL	0.4	0.0625	0.1081
NA12878	RNA	RNA-rescue	AL	196	81	115	SNP	1	0.7	0.8235
NA12878	RNA	RNA-rescue	AL	196	81	115	INDEL	0.8	0.125	0.2162
NA12878	DNA+RNA	RNA-rescue	AL	196	81	115	SNP	1	0.7	0.8235
NA12878	DNA+RNA	RNA-rescue	AL	196	81	115	INDEL	0.8	0.125	0.2162

HG00171	DNA	ALL	GT	131453	113844	17609	SNP	0.9937	0.885	0.9362
HG00171	DNA	ALL	GT	131453	113844	17609	INDEL	0.895	0.5655	0.6931
HG00171	DNA	ALL	AL	134158	116030	18128	SNP	0.9744	0.8839	0.9269
HG00171	DNA	ALL	AL	134158	116030	18128	INDEL	0.7306	0.5953	0.656
HG00171	RNA	ALL	GT	13295	11425	1870	SNP	0.9954	0.9345	0.9639
HG00171	RNA	ALL	GT	13295	11425	1870	INDEL	0.9285	0.4487	0.605
HG00171	RNA	ALL	AL	19922	17403	2519	SNP	0.9782	0.9019	0.9385
HG00171	RNA	ALL	AL	19922	17403	2519	INDEL	0.8	0.515	0.6266
HG00171	DNA+RNA	ALL	AL	140257	120943	19314	SNP	0.9745	0.8858	0.928
HG00171	DNA+RNA	ALL	AL	140257	120943	19314	INDEL	0.734	0.5896	0.6539
HG00171	DNA	Strong-evidence	GT	4863	4667	196	SNP	0.9993	0.9907	0.995
HG00171	DNA	Strong-evidence	GT	4863	4667	196	INDEL	0.9806	0.7835	0.871
HG00171	DNA	Strong-evidence	AL	4863	4667	196	SNP	0.9855	0.9912	0.9883
HG00171	DNA	Strong-evidence	AL	4863	4667	196	INDEL	0.8437	0.7886	0.8152
HG00171	RNA	Strong-evidence	GT	4863	4667	196	SNP	0.9993	0.9907	0.995
HG00171	RNA	Strong-evidence	GT	4863	4667	196	INDEL	0.9806	0.7835	0.871
HG00171	RNA	Strong-evidence	AL	4863	4667	196	SNP	0.9855	0.9912	0.9883
HG00171	RNA	Strong-evidence	AL	4863	4667	196	INDEL	0.8437	0.7886	0.8152
HG00171	DNA+RNA	Strong-evidence	AL	4863	4667	196	SNP	0.9855	0.9912	0.9883
HG00171	DNA+RNA	Strong-evidence	AL	4863	4667	196	INDEL	0.8437	0.7886	0.8152
HG00171	DNA	DNA-only	GT	126590	109177	17413	SNP	0.9934	0.8803	0.9335
HG00171	DNA	DNA-only	GT	126590	109177	17413	INDEL	0.8938	0.5629	0.6908
HG00171	DNA	DNA-only	AL	126590	109177	17413	SNP	0.9743	0.8818	0.9258
HG00171	DNA	DNA-only	AL	126590	109177	17413	INDEL	0.7282	0.6005	0.6582
HG00171	RNA	DNA-only	GT	6256	5638	618	SNP	0.4941	0.6912	0.5762
HG00171	RNA	DNA-only	GT	6256	5638	618	INDEL	0.2891	0.4819	0.3614
HG00171	RNA	DNA-only	AL	6256	5638	618	SNP	0.9826	0.8595	0.917
HG00171	RNA	DNA-only	AL	6256	5638	618	INDEL	0.7786	0.5875	0.6697
HG00171	DNA+RNA	DNA-only	AL	126590	109177	17413	SNP	0.9743	0.8818	0.9258
HG00171	DNA+RNA	DNA-only	AL	126590	109177	17413	INDEL	0.7282	0.6005	0.6582
HG00171	DNA	RNA-only	GT	2263	1821	442	SNP	0.4733	0.7883	0.5915
HG00171	DNA	RNA-only	GT	2263	1821	442	INDEL	0.4078	0.6526	0.502
HG00171	DNA	RNA-only	AL	2263	1821	442	SNP	0.9487	0.8445	0.8936
HG00171	DNA	RNA-only	AL	2263	1821	442	INDEL	0.81	0.3597	0.4982
HG00171	RNA	RNA-only	GT	8357	6730	1627	SNP	0.9925	0.8966	0.9421
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HG00171	DNA+RNA	RNA-only	AL	8357	6730	1627	SNP	0.9696	0.9069	0.9372
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HG00171	DNA	ASE	GT	372	341	31	SNP	0.988	0.253	0.4029
HG00171	DNA	ASE	GT	372	341	31	INDEL	0.7692	0.3333	0.4651
HG00171	DNA	ASE	AL	372	341	31	SNP	0.9696	0.2926	0.4496
HG00171	DNA	ASE	AL	372	341	31	INDEL	0.6666	0.4333	0.5252
HG00171	RNA	ASE	GT	371	340	31	SNP	0.0119	0.037	0.018
HG00171	RNA	ASE	GT	371	340	31	INDEL	0.0769	0.25	0.1176
HG00171	RNA	ASE	AL	371	340	31	SNP	0.9696	0.2926	0.4496
HG00171	RNA	ASE	AL	371	340	31	INDEL	0.6666	0.4333	0.5252
HG00171	DNA+RNA	ASE	AL	372	341	31	SNP	0.9696	0.2926	0.4496
HG00171	DNA+RNA	ASE	AL	372	341	31	INDEL	0.6666	0.4333	0.5252
HG00171	DNA	RNA-editing	GT	2501	1817	684	SNP	0.9773	0.6666	0.7926
HG00171	DNA	RNA-editing	GT	2501	1817	684	INDEL	0.8955	0.4461	0.5955
HG00171	DNA	RNA-editing	AL	2501	1817	684	SNP	0.9242	0.495	0.6447
HG00171	DNA	RNA-editing	AL	2501	1817	684	INDEL	0.6475	0.1059	0.1821
HG00171	RNA	RNA-editing	GT	835	362	473	SNP	0.1333	0.0057	0.011
HG00171	RNA	RNA-editing	GT	835	362	473	INDEL	0.1111	0.0021	0.0041
HG00171	RNA	RNA-editing	AL	835	362	473	SNP	0.6753	0.144	0.2374
HG00171	RNA	RNA-editing	AL	835	362	473	INDEL	0.5862	0.0359	0.0677
HG00171	DNA+RNA	RNA-editing	AL	2503	1818	685	SNP	0.9253	0.495	0.645
HG00171	DNA+RNA	RNA-editing	AL	2503	1818	685	INDEL	0.6393	0.1044	0.1796
HG00171	DNA	RNA-rescue	GT	70	24	46	SNP	0.25	0.5	0.3333
HG00171	DNA	RNA-rescue	GT	70	24	46	INDEL	0.5	0.3333	0.4
HG00171	DNA	RNA-rescue	AL	70	24	46	SNP	0.9285	0.5909	0.7222
HG00171	DNA	RNA-rescue	AL	70	24	46	INDEL	0.7142	0.25	0.3703
HG00171	RNA	RNA-rescue	GT	75	28	47	SNP	0.9375	0.5769	0.7142
HG00171	RNA	RNA-rescue	GT	75	28	47	INDEL	0.6666	0.05	0.093
HG00171	RNA	RNA-rescue	AL	75	28	47	SNP	0.9444	0.6538	0.7727
HG00171	RNA	RNA-rescue	AL	75	28	47	INDEL	0.7333	0.2682	0.3928
HG00171	DNA+RNA	RNA-rescue	AL	75	28	47	SNP	0.9444	0.6538	0.7727
HG00171	DNA+RNA	RNA-rescue	AL	75	28	47	INDEL	0.7333	0.2682	0.3928
HG00378	DNA	ALL	GT	134219	116216	18003	SNP	0.9936	0.8797	0.9332
HG00378	DNA	ALL	GT	134219	116216	18003	INDEL	0.8869	0.568	0.6925

HG00378	DNA	ALL	AL	138657	120023	18634	SNP	0.9742	0.8774	0.9232
HG00378	DNA	ALL	AL	138657	120023	18634	INDEL	0.7271	0.5993	0.657
HG00378	RNA	ALL	GT	19761	17454	2307	SNP	0.9965	0.9425	0.9687
HG00378	RNA	ALL	GT	19761	17454	2307	INDEL	0.9272	0.5179	0.6646
HG00378	RNA	ALL	AL	27187	24154	3033	SNP	0.9753	0.9044	0.9385
HG00378	RNA	ALL	AL	27187	24154	3033	INDEL	0.7897	0.5792	0.6683
HG00378	DNA+RNA	ALL	AL	147339	127262	20077	SNP	0.974	0.8809	0.9251
HG00378	DNA+RNA	ALL	AL	147339	127262	20077	INDEL	0.732	0.5983	0.6584
HG00378	DNA	Strong-evidence	GT	7260	6985	275	SNP	0.9995	0.9941	0.9968
HG00378	DNA	Strong-evidence	GT	7260	6985	275	INDEL	0.9613	0.7252	0.8267
HG00378	DNA	Strong-evidence	AL	7260	6985	275	SNP	0.9859	0.9945	0.9902
HG00378	DNA	Strong-evidence	AL	7260	6985	275	INDEL	0.806	0.7435	0.7735
HG00378	RNA	Strong-evidence	GT	7260	6985	275	SNP	0.9995	0.9941	0.9968
HG00378	RNA	Strong-evidence	GT	7260	6985	275	INDEL	0.9613	0.7252	0.8267
HG00378	RNA	Strong-evidence	AL	7260	6985	275	SNP	0.9859	0.9945	0.9902
HG00378	RNA	Strong-evidence	AL	7260	6985	275	INDEL	0.806	0.7435	0.7735
HG00378	DNA+RNA	Strong-evidence	AL	7260	6985	275	SNP	0.9859	0.9945	0.9902
HG00378	DNA+RNA	Strong-evidence	AL	7260	6985	275	INDEL	0.806	0.7435	0.7735
HG00378	DNA	DNA-only	GT	126959	109231	17728	SNP	0.9931	0.8722	0.9287
HG00378	DNA	DNA-only	GT	126959	109231	17728	INDEL	0.8856	0.5655	0.6903
HG00378	DNA	DNA-only	AL	126959	109231	17728	SNP	0.9738	0.8745	0.9215
HG00378	DNA	DNA-only	AL	126959	109231	17728	INDEL	0.7248	0.6038	0.6588
HG00378	RNA	DNA-only	GT	6808	6124	684	SNP	0.4401	0.7032	0.5414
HG00378	RNA	DNA-only	GT	6808	6124	684	INDEL	0.2974	0.6216	0.4023
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HG00378	DNA	RNA-only	GT	3683	3157	526	SNP	0.4624	0.7438	0.5703
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HG00378	RNA	RNA-only	GT	12357	10388	1969	SNP	0.9943	0.909	0.9497
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HG00378	RNA	RNA-only	AL	12357	10388	1969	SNP	0.9686	0.9115	0.9392
HG00378	RNA	RNA-only	AL	12357	10388	1969	INDEL	0.8059	0.5513	0.6547

HG00378	DNA+RNA	RNA-only	AL	12357	10388	1969	SNP	0.9686	0.9115	0.9392
HG00378	DNA+RNA	RNA-only	AL	12357	10388	1969	INDEL	0.8059	0.5513	0.6547
HG00378	DNA	ASE	GT	618	576	42	SNP	0.9841	0.1213	0.216
HG00378	DNA	ASE	GT	618	576	42	INDEL	0.6363	0.1707	0.2692
HG00378	DNA	ASE	AL	618	576	42	SNP	0.885	0.1506	0.2575
HG00378	DNA	ASE	AL	618	576	42	INDEL	0.5555	0.2439	0.3389
HG00378	RNA	ASE	GT	618	576	42	SNP	0.0158	0.05	0.024
HG00378	RNA	ASE	GT	618	576	42	INDEL	0.0909	0.25	0.1333
HG00378	RNA	ASE	AL	618	576	42	SNP	0.885	0.1506	0.2575
HG00378	RNA	ASE	AL	618	576	42	INDEL	0.5555	0.2439	0.3389
HG00378	DNA+RNA	ASE	AL	618	576	42	SNP	0.885	0.1506	0.2575
HG00378	DNA+RNA	ASE	AL	618	576	42	INDEL	0.5555	0.2439	0.3389
HG00378	DNA	RNA-editing	GT	3024	2343	681	SNP	0.9757	0.7036	0.8176
HG00378	DNA	RNA-editing	GT	3024	2343	681	INDEL	0.8404	0.4488	0.5851
HG00378	DNA	RNA-editing	AL	3024	2343	681	SNP	0.9294	0.5252	0.6712
HG00378	DNA	RNA-editing	AL	3024	2343	681	INDEL	0.6385	0.1527	0.2465
HG00378	RNA	RNA-editing	GT	797	383	414	SNP	0.1904	0.0113	0.0213
HG00378	RNA	RNA-editing	GT	797	383	414	INDEL	0.3	0.0075	0.0148
HG00378	RNA	RNA-editing	AL	797	383	414	SNP	0.7125	0.154	0.2533
HG00378	RNA	RNA-editing	AL	797	383	414	INDEL	0.5526	0.0502	0.0921
HG00378	DNA+RNA	RNA-editing	AL	3031	2348	683	SNP	0.9302	0.5248	0.671
HG00378	DNA+RNA	RNA-editing	AL	3031	2348	683	INDEL	0.6385	0.1523	0.2459
HG00378	DNA	RNA-rescue	GT	137	74	63	SNP	0.4489	0.8461	0.5866
HG00378	DNA	RNA-rescue	GT	137	74	63	INDEL	0.375	0.4285	0.4
HG00378	DNA	RNA-rescue	AL	137	74	63	SNP	0.8709	0.7605	0.812
HG00378	DNA	RNA-rescue	AL	137	74	63	INDEL	0.4285	0.1607	0.2337
HG00378	RNA	RNA-rescue	GT	144	81	63	SNP	1	0.6794	0.8091
HG00378	RNA	RNA-rescue	GT	144	81	63	INDEL	0.375	0.0526	0.0923
HG00378	RNA	RNA-rescue	AL	144	81	63	SNP	0.8787	0.7341	0.8
HG00378	RNA	RNA-rescue	AL	144	81	63	INDEL	0.4285	0.1578	0.2307
HG00378	DNA+RNA	RNA-rescue	AL	144	81	63	SNP	0.8787	0.7341	0.8
HG00378	DNA+RNA	RNA-rescue	AL	144	81	63	INDEL	0.4285	0.1578	0.2307
HG00145	DNA	ALL	GT	179773	161639	18134	SNP	0.991	0.775	0.8698
HG00145	DNA	ALL	GT	179773	161639	18134	INDEL	0.9014	0.5819	0.7072
HG00145	DNA	ALL	AL	187864	168683	19181	SNP	0.9737	0.7842	0.8687
HG00145	DNA	ALL	AL	187864	168683	19181	INDEL	0.7403	0.6165	0.6727

HG00145	RNA	ALL	GT	20229	18203	2026	SNP	0.9953	0.971	0.983
HG00145	RNA	ALL	GT	20229	18203	2026	INDEL	0.9245	0.6591	0.7696
HG00145	RNA	ALL	AL	30022	27278	2744	SNP	0.981	0.8899	0.9332
HG00145	RNA	ALL	AL	30022	27278	2744	INDEL	0.8203	0.6919	0.7506
HG00145	DNA+RNA	ALL	AL	192533	172609	19924	SNP	0.9739	0.7889	0.8717
HG00145	DNA+RNA	ALL	AL	192533	172609	19924	INDEL	0.7437	0.6211	0.6769
HG00145	DNA	Strong-evidence	GT	8486	8208	278	SNP	0.9987	0.9887	0.9937
HG00145	DNA	Strong-evidence	GT	8486	8208	278	INDEL	0.9699	0.8129	0.8845
HG00145	DNA	Strong-evidence	AL	8486	8208	278	SNP	0.9864	0.9903	0.9884
HG00145	DNA	Strong-evidence	AL	8486	8208	278	INDEL	0.8297	0.8273	0.8285
HG00145	RNA	Strong-evidence	GT	8486	8208	278	SNP	0.9987	0.9887	0.9937
HG00145	RNA	Strong-evidence	GT	8486	8208	278	INDEL	0.9699	0.8129	0.8845
HG00145	RNA	Strong-evidence	AL	8486	8208	278	SNP	0.9864	0.9903	0.9884
HG00145	RNA	Strong-evidence	AL	8486	8208	278	INDEL	0.8297	0.8273	0.8285
HG00145	DNA+RNA	Strong-evidence	AL	8486	8208	278	SNP	0.9864	0.9903	0.9884
HG00145	DNA+RNA	Strong-evidence	AL	8486	8208	278	INDEL	0.8297	0.8273	0.8285
HG00145	DNA	DNA-only	GT	171287	153431	17856	SNP	0.9904	0.7624	0.8616
HG00145	DNA	DNA-only	GT	171287	153431	17856	INDEL	0.8999	0.5781	0.7039
HG00145	DNA	DNA-only	AL	171287	153431	17856	SNP	0.9724	0.7711	0.8601
HG00145	DNA	DNA-only	AL	171287	153431	17856	INDEL	0.7339	0.6123	0.6676
HG00145	RNA	DNA-only	GT	8779	8102	677	SNP	0.4539	0.6653	0.5396
HG00145	RNA	DNA-only	GT	8779	8102	677	INDEL	0.2897	0.5428	0.3778
HG00145	RNA	DNA-only	AL	8779	8102	677	SNP	0.9754	0.8175	0.8895
HG00145	RNA	DNA-only	AL	8779	8102	677	INDEL	0.7953	0.6838	0.7354
HG00145	DNA+RNA	DNA-only	AL	171288	153431	17857	SNP	0.9724	0.7711	0.8601
HG00145	DNA+RNA	DNA-only	AL	171288	153431	17857	INDEL	0.7338	0.6122	0.6675
HG00145	DNA	RNA-only	GT	6921	5961	960	SNP	0.5547	0.7734	0.646
HG00145	DNA	RNA-only	GT	6921	5961	960	INDEL	0.469	0.7017	0.5622
HG00145	DNA	RNA-only	AL	6921	5961	960	SNP	0.9816	0.9174	0.9484
HG00145	DNA	RNA-only	AL	6921	5961	960	INDEL	0.8339	0.6474	0.729
HG00145	RNA	RNA-only	GT	11583	9883	1700	SNP	0.9926	0.959	0.9755
HG00145	RNA	RNA-only	GT	11583	9883	1700	INDEL	0.9189	0.6454	0.7582
HG00145	RNA	RNA-only	AL	11583	9883	1700	SNP	0.9819	0.9398	0.9604
HG00145	RNA	RNA-only	AL	11583	9883	1700	INDEL	0.8309	0.6867	0.752
HG00145	DNA+RNA	RNA-only	AL	11583	9883	1700	SNP	0.9819	0.9398	0.9604
HG00145	DNA+RNA	RNA-only	AL	11583	9883	1700	INDEL	0.8309	0.6867	0.752

HG00145	DNA	ASE	GT	1016	975	41	SNP	0.9902	0.1079	0.1946
HG00145	DNA	ASE	GT	1016	975	41	INDEL	0.923	0.3333	0.4897
HG00145	DNA	ASE	AL	1016	975	41	SNP	0.8702	0.1207	0.212
HG00145	DNA	ASE	AL	1016	975	41	INDEL	0.8333	0.4166	0.5555
HG00145	RNA	ASE	GT	1014	973	41	SNP	0.0097	0.0142	0.0115
HG00145	RNA	ASE	GT	1014	973	41	INDEL	0	0	0
HG00145	RNA	ASE	AL	1014	973	41	SNP	0.8625	0.1207	0.2118
HG00145	RNA	ASE	AL	1014	973	41	INDEL	0.8333	0.4166	0.5555
HG00145	DNA+RNA	ASE	AL	1016	975	41	SNP	0.8702	0.1207	0.212
HG00145	DNA+RNA	ASE	AL	1016	975	41	INDEL	0.8333	0.4166	0.5555
HG00145	DNA	RNA-editing	GT	3938	3435	503	SNP	0.9775	0.6083	0.7499
HG00145	DNA	RNA-editing	GT	3938	3435	503	INDEL	0.8061	0.4876	0.6076
HG00145	DNA	RNA-editing	AL	3938	3435	503	SNP	0.8806	0.4539	0.5991
HG00145	DNA	RNA-editing	AL	3938	3435	503	INDEL	0.6666	0.2114	0.321
HG00145	RNA	RNA-editing	GT	819	573	246	SNP	0.0952	0.0049	0.0094
HG00145	RNA	RNA-editing	GT	819	573	246	INDEL	0.3	0.0182	0.0344
HG00145	RNA	RNA-editing	AL	819	573	246	SNP	0.6507	0.1459	0.2383
HG00145	RNA	RNA-editing	AL	819	573	246	INDEL	0.3333	0.0391	0.07
HG00145	DNA+RNA	RNA-editing	AL	3940	3435	505	SNP	0.8806	0.4539	0.5991
HG00145	DNA+RNA	RNA-editing	AL	3940	3435	505	INDEL	0.6598	0.2092	0.3177
HG00145	DNA	RNA-rescue	GT	154	108	46	SNP	0.3472	0.862	0.495
HG00145	DNA	RNA-rescue	GT	154	108	46	INDEL	0.2307	0.3	0.2608
HG00145	DNA	RNA-rescue	AL	154	108	46	SNP	0.9605	0.6886	0.8021
HG00145	DNA	RNA-rescue	AL	154	108	46	INDEL	0.7037	0.4047	0.5139
HG00145	RNA	RNA-rescue	GT	160	112	48	SNP	0.9605	0.6759	0.7934
HG00145	RNA	RNA-rescue	GT	160	112	48	INDEL	0.6428	0.2142	0.3214
HG00145	RNA	RNA-rescue	AL	160	112	48	SNP	0.9625	0.7	0.8105
HG00145	RNA	RNA-rescue	AL	160	112	48	INDEL	0.7142	0.409	0.5202
HG00145	DNA+RNA	RNA-rescue	AL	160	112	48	SNP	0.9625	0.7	0.8105
HG00145	DNA+RNA	RNA-rescue	AL	160	112	48	INDEL	0.7142	0.409	0.5202
NA20509	DNA	ALL	GT	96406	87806	8600	SNP	0.9917	0.8763	0.9304
NA20509	DNA	ALL	GT	96406	87806	8600	INDEL	0.9203	0.6641	0.7715
NA20509	DNA	ALL	AL	101784	92342	9442	SNP	0.9756	0.876	0.9232
NA20509	DNA	ALL	AL	101784	92342	9442	INDEL	0.7442	0.6716	0.706
NA20509	RNA	ALL	GT	32702	28109	4593	SNP	0.9917	0.9497	0.9702
NA20509	RNA	ALL	GT	32702	28109	4593	INDEL	0.9097	0.4701	0.6199

NA20509	RNA	ALL	AL	42550	37076	5474	SNP	0.9797	0.9386	0.9587
NA20509	RNA	ALL	AL	42550	37076	5474	INDEL	0.7924	0.5501	0.6494
NA20509	DNA+RNA	ALL	AL	119228	106337	12891	SNP	0.976	0.8862	0.929
NA20509	DNA+RNA	ALL	AL	119228	106337	12891	INDEL	0.7541	0.6285	0.6856
NA20509	DNA	Strong-evidence	GT	10393	10040	353	SNP	0.9982	0.9852	0.9916
NA20509	DNA	Strong-evidence	GT	10393	10040	353	INDEL	0.9559	0.808	0.8757
NA20509	DNA	Strong-evidence	AL	10393	10040	353	SNP	0.9855	0.989	0.9872
NA20509	DNA	Strong-evidence	AL	10393	10040	353	INDEL	0.8149	0.828	0.8214
NA20509	RNA	Strong-evidence	GT	10393	10040	353	SNP	0.9982	0.9852	0.9916
NA20509	RNA	Strong-evidence	GT	10393	10040	353	INDEL	0.9559	0.808	0.8757
NA20509	RNA	Strong-evidence	AL	10393	10040	353	SNP	0.9855	0.989	0.9872
NA20509	RNA	Strong-evidence	AL	10393	10040	353	INDEL	0.8149	0.828	0.8214
NA20509	DNA+RNA	Strong-evidence	AL	10393	10040	353	SNP	0.9855	0.989	0.9872
NA20509	DNA+RNA	Strong-evidence	AL	10393	10040	353	INDEL	0.8149	0.828	0.8214
NA20509	DNA	DNA-only	GT	86013	77766	8247	SNP	0.9906	0.8618	0.9217
NA20509	DNA	DNA-only	GT	86013	77766	8247	INDEL	0.9185	0.6576	0.7665
NA20509	DNA	DNA-only	AL	86013	77766	8247	SNP	0.9742	0.862	0.9147
NA20509	DNA	DNA-only	AL	86013	77766	8247	INDEL	0.7387	0.6893	0.7131
NA20509	RNA	DNA-only	GT	9337	8506	831	SNP	0.4672	0.7151	0.5652
NA20509	RNA	DNA-only	GT	9337	8506	831	INDEL	0.3814	0.6036	0.4674
NA20509	RNA	DNA-only	AL	9337	8506	831	SNP	0.9764	0.8965	0.9347
NA20509	RNA	DNA-only	AL	9337	8506	831	INDEL	0.7808	0.7123	0.745
NA20509	DNA+RNA	DNA-only	AL	86014	77767	8247	SNP	0.9742	0.862	0.9147
NA20509	DNA+RNA	DNA-only	AL	86014	77767	8247	INDEL	0.7387	0.6893	0.7131
NA20509	DNA	RNA-only	GT	4705	3959	746	SNP	0.4991	0.7734	0.6067
NA20509	DNA	RNA-only	GT	4705	3959	746	INDEL	0.4349	0.6313	0.515
NA20509	DNA	RNA-only	AL	4705	3959	746	SNP	0.9793	0.9161	0.9467
NA20509	DNA	RNA-only	AL	4705	3959	746	INDEL	0.8014	0.4453	0.5725
NA20509	RNA	RNA-only	GT	22135	17941	4194	SNP	0.9879	0.9306	0.9584
NA20509	RNA	RNA-only	GT	22135	17941	4194	INDEL	0.9049	0.4453	0.5969
NA20509	RNA	RNA-only	AL	22135	17941	4194	SNP	0.9786	0.9443	0.9612
NA20509	RNA	RNA-only	AL	22135	17941	4194	INDEL	0.7955	0.499	0.6133
NA20509	DNA+RNA	RNA-only	AL	22135	17941	4194	SNP	0.9786	0.9443	0.9612
NA20509	DNA+RNA	RNA-only	AL	22135	17941	4194	INDEL	0.7955	0.499	0.6133
NA20509	DNA	ASE	GT	512	461	51	SNP	0.9041	0.3296	0.4832
NA20509	DNA	ASE	GT	512	461	51	INDEL	0.7142	0.2083	0.3225

NA20509	DNA	ASE	AL	512	461	51	SNP	0.9264	0.4126	0.5709
NA20509	DNA	ASE	AL	512	461	51	INDEL	0.8181	0.3541	0.4943
NA20509	RNA	ASE	GT	511	461	50	SNP	0.0598	0.0943	0.0732
NA20509	RNA	ASE	GT	511	461	50	INDEL	0.1428	0.2222	0.1739
NA20509	RNA	ASE	AL	511	461	50	SNP	0.9264	0.4126	0.5709
NA20509	RNA	ASE	AL	511	461	50	INDEL	0.8181	0.3541	0.4943
NA20509	DNA+RNA	ASE	AL	512	461	51	SNP	0.9264	0.4126	0.5709
NA20509	DNA+RNA	ASE	AL	512	461	51	INDEL	0.8181	0.3541	0.4943
NA20509	DNA	RNA-editing	GT	5278	4013	1265	SNP	0.9697	0.6527	0.7803
NA20509	DNA	RNA-editing	GT	5278	4013	1265	INDEL	0.8992	0.472	0.619
NA20509	DNA	RNA-editing	AL	5278	4013	1265	SNP	0.9009	0.4739	0.6211
NA20509	DNA	RNA-editing	AL	5278	4013	1265	INDEL	0.7031	0.1238	0.2106
NA20509	RNA	RNA-editing	GT	1580	734	846	SNP	0.2727	0.0166	0.0314
NA20509	RNA	RNA-editing	GT	1580	734	846	INDEL	0	0	0
NA20509	RNA	RNA-editing	AL	1580	734	846	SNP	0.6645	0.1426	0.2348
NA20509	RNA	RNA-editing	AL	1580	734	846	INDEL	0.5744	0.0284	0.0541
NA20509	DNA+RNA	RNA-editing	AL	5284	4018	1266	SNP	0.8999	0.4731	0.6202
NA20509	DNA+RNA	RNA-editing	AL	5284	4018	1266	INDEL	0.7031	0.1238	0.2106
NA20509	DNA	RNA-rescue	GT	161	116	45	SNP	0.4479	0.6231	0.5212
NA20509	DNA	RNA-rescue	GT	161	116	45	INDEL	0.3	0.3	0.3
NA20509	DNA	RNA-rescue	AL	161	116	45	SNP	0.9411	0.8362	0.8855
NA20509	DNA	RNA-rescue	AL	161	116	45	INDEL	0.5142	0.2888	0.3699
NA20509	RNA	RNA-rescue	GT	174	128	46	SNP	0.9813	0.8203	0.8936
NA20509	RNA	RNA-rescue	GT	174	128	46	INDEL	0.5454	0.1304	0.2105
NA20509	RNA	RNA-rescue	AL	174	128	46	SNP	0.9469	0.8437	0.8923
NA20509	RNA	RNA-rescue	AL	174	128	46	INDEL	0.5277	0.3043	0.386
NA20509	DNA+RNA	RNA-rescue	AL	174	128	46	SNP	0.9469	0.8437	0.8923
NA20509	DNA+RNA	RNA-rescue	AL	174	128	46	INDEL	0.5277	0.3043	0.386
HG00342	DNA	ALL	GT	129642	112838	16804	SNP	0.9935	0.8723	0.929
HG00342	DNA	ALL	GT	129642	112838	16804	INDEL	0.8995	0.5826	0.7072
HG00342	DNA	ALL	AL	134542	117182	17360	SNP	0.9742	0.869	0.9186
HG00342	DNA	ALL	AL	134542	117182	17360	INDEL	0.7324	0.617	0.6698
HG00342	RNA	ALL	GT	22708	20502	2206	SNP	0.9942	0.952	0.9726
HG00342	RNA	ALL	GT	22708	20502	2206	INDEL	0.9285	0.6485	0.7636
HG00342	RNA	ALL	AL	31556	28478	3078	SNP	0.9795	0.9102	0.9436
HG00342	RNA	ALL	AL	31556	28478	3078	INDEL	0.8149	0.6772	0.7397

HG00342	DNA+RNA	ALL	AL	144971	126229	18742	SNP	0.9748	0.875	0.9222
HG00342	DNA+RNA	ALL	AL	144971	126229	18742	INDEL	0.7397	0.6229	0.6763
HG00342	DNA	Strong-evidence	GT	8184	7865	319	SNP	0.9987	0.9905	0.9946
HG00342	DNA	Strong-evidence	GT	8184	7865	319	INDEL	0.9691	0.7911	0.8711
HG00342	DNA	Strong-evidence	AL	8184	7865	319	SNP	0.9839	0.9917	0.9878
HG00342	DNA	Strong-evidence	AL	8184	7865	319	INDEL	0.8493	0.8132	0.8309
HG00342	RNA	Strong-evidence	GT	8184	7865	319	SNP	0.9987	0.9905	0.9946
HG00342	RNA	Strong-evidence	GT	8184	7865	319	INDEL	0.9691	0.7911	0.8711
HG00342	RNA	Strong-evidence	AL	8184	7865	319	SNP	0.9839	0.9917	0.9878
HG00342	RNA	Strong-evidence	AL	8184	7865	319	INDEL	0.8493	0.8132	0.8309
HG00342	DNA+RNA	Strong-evidence	AL	8184	7865	319	SNP	0.9839	0.9917	0.9878
HG00342	DNA+RNA	Strong-evidence	AL	8184	7865	319	INDEL	0.8493	0.8132	0.8309
HG00342	DNA	DNA-only	GT	121458	104973	16485	SNP	0.9931	0.8632	0.9236
HG00342	DNA	DNA-only	GT	121458	104973	16485	INDEL	0.8976	0.5785	0.7036
HG00342	DNA	DNA-only	AL	121458	104973	16485	SNP	0.9735	0.8642	0.9156
HG00342	DNA	DNA-only	AL	121458	104973	16485	INDEL	0.728	0.614	0.6662
HG00342	RNA	DNA-only	GT	8051	7227	824	SNP	0.4447	0.7027	0.5447
HG00342	RNA	DNA-only	GT	8051	7227	824	INDEL	0.2977	0.574	0.3921
HG00342	RNA	DNA-only	AL	8051	7227	824	SNP	0.9766	0.8579	0.9134
HG00342	RNA	DNA-only	AL	8051	7227	824	INDEL	0.7745	0.6531	0.7086
HG00342	DNA+RNA	DNA-only	AL	121465	104978	16487	SNP	0.9735	0.8642	0.9156
HG00342	DNA+RNA	DNA-only	AL	121465	104978	16487	INDEL	0.728	0.6139	0.6661
HG00342	DNA	RNA-only	GT	3988	3519	469	SNP	0.4738	0.7649	0.5851
HG00342	DNA	RNA-only	GT	3988	3519	469	INDEL	0.4041	0.6666	0.5031
HG00342	DNA	RNA-only	AL	3988	3519	469	SNP	0.9707	0.8822	0.9244
HG00342	DNA	RNA-only	AL	3988	3519	469	INDEL	0.8111	0.6381	0.7143
HG00342	RNA	RNA-only	GT	14404	12557	1847	SNP	0.9914	0.9285	0.9589
HG00342	RNA	RNA-only	GT	14404	12557	1847	INDEL	0.922	0.6344	0.7516
HG00342	RNA	RNA-only	AL	14404	12557	1847	SNP	0.9785	0.9324	0.9549
HG00342	RNA	RNA-only	AL	14404	12557	1847	INDEL	0.8308	0.6818	0.749
HG00342	DNA+RNA	RNA-only	AL	14405	12557	1848	SNP	0.9785	0.9324	0.9549
HG00342	DNA+RNA	RNA-only	AL	14405	12557	1848	INDEL	0.8308	0.6818	0.749
HG00342	DNA	ASE	GT	797	749	48	SNP	0.9823	0.1541	0.2665
HG00342	DNA	ASE	GT	797	749	48	INDEL	0.7692	0.2272	0.3508
HG00342	DNA	ASE	AL	797	749	48	SNP	0.9492	0.1833	0.3073
HG00342	DNA	ASE	AL	797	749	48	INDEL	0.6785	0.3409	0.4538

HG00342	RNA	ASE	GT	797	749	48	SNP	0.0176	0.0416	0.0248
HG00342	RNA	ASE	GT	797	749	48	INDEL	0.0769	0.25	0.1176
HG00342	RNA	ASE	AL	797	749	48	SNP	0.9492	0.1833	0.3073
HG00342	RNA	ASE	AL	797	749	48	INDEL	0.6785	0.3409	0.4538
HG00342	DNA+RNA	ASE	AL	797	749	48	SNP	0.9492	0.1833	0.3073
HG00342	DNA+RNA	ASE	AL	797	749	48	INDEL	0.6785	0.3409	0.4538
HG00342	DNA	RNA-editing	GT	3186	2752	434	SNP	0.9779	0.6605	0.7885
HG00342	DNA	RNA-editing	GT	3186	2752	434	INDEL	0.8666	0.423	0.5685
HG00342	DNA	RNA-editing	AL	3186	2752	434	SNP	0.9412	0.5044	0.6568
HG00342	DNA	RNA-editing	AL	3186	2752	434	INDEL	0.5755	0.194	0.2902
HG00342	RNA	RNA-editing	GT	606	404	202	SNP	0.1153	0.0128	0.0231
HG00342	RNA	RNA-editing	GT	606	404	202	INDEL	0	0	0
HG00342	RNA	RNA-editing	AL	606	404	202	SNP	0.8028	0.1548	0.2596
HG00342	RNA	RNA-editing	AL	606	404	202	INDEL	0.4	0.034	0.0628
HG00342	DNA+RNA	RNA-editing	AL	3191	2757	434	SNP	0.9412	0.5034	0.656
HG00342	DNA+RNA	RNA-editing	AL	3191	2757	434	INDEL	0.5755	0.194	0.2902
HG00342	DNA	RNA-rescue	GT	115	76	39	SNP	0.3396	0.72	0.4615
HG00342	DNA	RNA-rescue	GT	115	76	39	INDEL	0.625	0.625	0.625
HG00342	DNA	RNA-rescue	AL	115	76	39	SNP	0.9636	0.7794	0.8617
HG00342	DNA	RNA-rescue	AL	115	76	39	INDEL	0.5294	0.2571	0.3461
HG00342	RNA	RNA-rescue	GT	120	80	40	SNP	0.9473	0.7605	0.8437
HG00342	RNA	RNA-rescue	GT	120	80	40	INDEL	0.6666	0.1621	0.2608
HG00342	RNA	RNA-rescue	AL	120	80	40	SNP	0.9661	0.76	0.8507
HG00342	RNA	RNA-rescue	AL	120	80	40	INDEL	0.5555	0.2702	0.3636
HG00342	DNA+RNA	RNA-rescue	AL	120	80	40	SNP	0.9661	0.76	0.8507
HG00342	DNA+RNA	RNA-rescue	AL	120	80	40	INDEL	0.5555	0.2702	0.3636
NA12878	DNA-only	ALL	GT	259692	224840	34852	SNP	0.9966	0.9659	0.981
NA12878	DNA-only	ALL	GT	259692	224840	34852	INDEL	0.9569	0.4182	0.582
NA12878	DNA-only	ALL	AL	259692	224840	34852	SNP	0.9997	0.9692	0.9842
NA12878	DNA-only	ALL	AL	259692	224840	34852	INDEL	0.9895	0.4338	0.6032
HG00171	DNA-only	ALL	GT	130068	113298	16770	SNP	0.9936	0.8845	0.9359
HG00171	DNA-only	ALL	GT	130068	113298	16770	INDEL	0.896	0.5843	0.7073
HG00171	DNA-only	ALL	AL	130068	113298	16770	SNP	0.9752	0.8931	0.9323
HG00171	DNA-only	ALL	AL	130068	113298	16770	INDEL	0.7329	0.6266	0.6756
HG00378	DNA-only	ALL	GT	133523	116342	17181	SNP	0.9934	0.8772	0.9317
HG00378	DNA-only	ALL	GT	133523	116342	17181	INDEL	0.8899	0.588	0.7081

HG00378	DNA-only	ALL	AL	133523	116342	17181	SNP	0.9748	0.886	0.9283
HG00378	DNA-only	ALL	AL	133523	116342	17181	INDEL	0.7306	0.6276	0.6752
HG00145	DNA-only	ALL	GT	176389	158968	17421	SNP	0.9908	0.7747	0.8695
HG00145	DNA-only	ALL	GT	176389	158968	17421	INDEL	0.9021	0.5965	0.7181
HG00145	DNA-only	ALL	AL	176389	158968	17421	SNP	0.9734	0.7893	0.8717
HG00145	DNA-only	ALL	AL	176389	158968	17421	INDEL	0.7385	0.6352	0.683
NA20509	DNA-only	ALL	GT	97676	89030	8646	SNP	0.9913	0.8722	0.9279
NA20509	DNA-only	ALL	GT	97676	89030	8646	INDEL	0.919	0.6616	0.7693
NA20509	DNA-only	ALL	AL	97676	89030	8646	SNP	0.9757	0.8856	0.9285
NA20509	DNA-only	ALL	AL	97676	89030	8646	INDEL	0.7438	0.7027	0.7227
HG00342	DNA-only	ALL	GT	129270	113203	16067	SNP	0.9934	0.8681	0.9265
HG00342	DNA-only	ALL	GT	129270	113203	16067	INDEL	0.9031	0.6015	0.722
HG00342	DNA-only	ALL	AL	129270	113203	16067	SNP	0.9745	0.8774	0.9234
HG00342	DNA-only	ALL	AL	129270	113203	16067	INDEL	0.7347	0.64	0.684