

Table S1 Sequencing data summary of all samples

Sample ID	Mapped target base	Average target depth	Total near target base	Mapped near target base	Average near target depth	Near target coverage ratio (%)	Target coverage ratio (%)	Target coverage 5× (%)	Target coverage 10× (%)	Target coverage 20× (%)	Target coverage 50× (%)	Target coverage 100× (%)
Sample1-ks	9.7E+09	160.45	76180188	1.78E+09	23.4	76.2	99.25	98.8	98.3	97.11	91.28	72.02
Sample1-ns	9.6E+09	158.82	76180188	1.71E+09	22.43	74.27	99.05	98.3	97.49	95.77	88.99	70.53
Sample2-ks	1.29E+10	213.84	76180188	2.24E+09	29.4	66	96.87	91.03	86.31	81.21	73.1	62.7
Sample2-ns	9.36E+09	154.75	76180188	1.9E+09	24.94	81.53	99.25	98.77	98.24	97.05	91.14	70.86
Sample4-ks	5.19E+09	85.87	76180188	9.39E+08	12.33	67.26	98.95	97.93	96.56	93.01	74.58	32.81
Sample4-ns	9.01E+09	149.07	76180188	1.64E+09	21.47	75.23	99.38	98.86	98.29	96.93	90.36	68.93
Sample8-ns	7.4E+09	122.35	76180188	1.36E+09	17.83	73.13	99.17	98.52	97.73	95.79	86.31	57.48
Sample8-ks	1.24E+10	205.19	76180188	2.02E+09	26.47	67.04	99.14	97.02	92.86	83.69	68.56	56.81
Sample7-ks	8.44E+09	139.57	76180188	1.54E+09	20.18	74.93	99.56	99.08	98.48	96.98	89.19	64.61
Sample7-ns	6.86E+09	113.5	76180188	1.34E+09	17.6	75.74	99.4	98.74	97.91	95.79	84.67	52.03
Sample5-ks	8.91E+09	147.3	76180188	1.68E+09	22.05	77.49	99.53	99.07	98.51	97.17	90.15	67.28
Sample5-ns	1.09E+10	180.35	76180188	1.99E+09	26.14	73.89	98.06	95.45	93.39	90.27	81.84	66.64
Sample6-ks	7.27E+09	120.27	76180188	1.31E+09	17.14	71.28	99.38	98.79	97.97	95.72	82.83	51.51
Sample6-ns	8.52E+09	140.91	76180188	1.34E+09	17.63	58.48	99.21	96.24	89.86	73.54	45.73	33.33
Sample9-ks	7.13E+09	117.9	76180188	1.33E+09	17.42	74	99.25	98.69	97.99	96.01	83.97	50.93
Sample9-ns	6.39E+09	105.73	76180188	1.14E+09	14.91	70.41	99.23	98.62	97.8	95.33	80.01	43.38

Table S2 The number summary of all samples CNVs and InDels

Sample name	SNV number	InDel number
Sample 1	414	15
Sample 2	374	20
Sample 3	251	20
Sample 4	238	14
Sample 5	169	8
Sample 6	370	24
Sample 7	261	7
Sample 8	810	186
Sample 9	238	5

CNVs, copy number variations; InDel, insertions/deletion.

Table S3 Summary of all samples CNVs

Sample	Gain number	Gain length	Loss number	Loss length	Total number	Total length
Sample 5	6	3817	15425	14858831	15431	14862648
Sample 4	0	0	12873	13082864	12873	13082864
Sample 3	2	1378	9952	10131422	9954	10132800
Sample 2	10861	10100743	17	13369	10878	10114112
Sample 8	5583	5053630	24	22205	5607	5075835
Sample 7	4685	4899591	7	4873	4692	4904464
Sample 6	22	20942	4649	4076135	4671	4097077
Sample 1	2100	2113612	114	84958	2214	2198570
Sample 9	1536	1350963	17	11795	1553	1362758

CNVs, copy number variations.