

**Table S2 Statistical table of sequencing data and coverage.**

Sample ID	Clean Reads	Clean Data(bp)	GC(%)	Q20(%)	Q30(%)	Coverage Rate(%)	Average depth(×)
1	169273550	50449830966	35.7	97.33	91.48	98.94	50.38
2	122264138	36481286452	35.69	97.65	92.64	98.65	35.8
3	92907395	27689470959	35.54	97.13	91.19	98.72	26.92
4	66766957	19908199426	35.84	97.26	91.83	98.67	20.17
5	112806994	33655708328	35.77	97.7	92.82	98.68	31.56
6	136453446	40734026572	36.08	97.75	93.07	98.61	40.31
7	127841001	38112948144	35.47	97.15	91.45	98.83	37.48
8	116553485	34706186829	35.56	96.75	90.06	98.81	34.36
9	137017052	40817058901	35.96	96.7	90.6	98.77	39.78
10	125551381	37396642931	36.01	96.72	90.43	98.82	36.07
11	73919292	21777053674	36.47	93.18	83.26	98.71	21.47
12	89309251	26592963362	35.68	96.59	90.11	98.71	26.29
13	74100465	21831801057	37.2	92.93	83.46	98.56	21.54
14	81609925	24339559775	35.86	97.41	92.11	98.9	23.84
15	79979621	23837648302	35.79	97.06	91.1	98.73	23.66
16	103203525	30691585982	35.92	96.08	88.84	98.78	29.74
17	113510163	33815855308	35.88	96.85	90.76	98.64	33.2
18	90803283	26943908566	36.01	95.18	87.04	98.89	26.21
19	99882111	29768121764	35.74	97.18	91.19	98.77	29.3
20	118017629	35120680286	35.58	96.44	89.7	98.84	34.88
21	106862001	31816206099	35.72	96.76	90.26	98.82	31.59
22	110596311	32973245991	35.64	97.32	91.63	98.76	32.94
23	94064188	28067448519	35.9	97.62	92.7	98.71	28.35
24	116933556	34787912327	35.42	96.47	89.49	98.83	33.91
25	103103753	30576081700	36.03	94.89	86.52	98.71	29.77
26	78786548	23466182890	35.79	96.91	90.53	98.79	23.15
27	158315613	47219845995	36.15	97.38	91.94	98.85	44.95
28	109729893	32691496892	35.82	96.89	90.74	98.77	32.55
29	123252587	36728780420	35.56	97.11	91.18	98.85	36.58
30	95501012	28440246563	36.21	96.64	90.28	98.72	27.69
31	87812843	26150852023	35.79	96.59	89.96	98.72	25.53
32	64388879	19207315638	35.69	97.49	92.8	98.77	18.76
33	66806499	19967241328	35.98	98.19	93.14	98.55	19.1
34	74005343	22053582544	35.87	96.77	90.38	98.76	21.45
35	70083715	20896336318	36.28	97.27	92.12	98.5	21.13
36	74361332	22190198379	35.79	97.56	93.01	98.68	21.31
37	74350244	22099757221	35.58	95.96	89.1	98.73	21.64
38	69158075	20541507937	35.87	95.48	87.76	98.79	20.25
39	80535827	24019051054	36.25	97.5	92.36	98.64	23.57
40	76530254	22830982503	35.7	97.36	92.27	98.75	22.79
41	69088474	20637842785	35.61	98.01	92.33	98.75	20.01
42	79582518	23751474832	35.85	97.75	93.41	98.72	23.8
43	172877305	51601728044	35.67	97.38	91.52	98.84	50.78
44	83712975	24958536430	36.61	97.08	91.92	98.58	24.67
45	72761606	21711703893	36.1	97.47	92.51	98.54	21.31
46	79307096	23631732938	36.01	96.99	91.22	98.76	23.7
47	78680341	23425675501	36.15	96.42	89.79	98.7	23.25
48	75712433	22592582965	36.15	97.75	93.39	98.58	22.57
49	73781338	21999288837	35.52	97.22	91.42	98.82	22.19
50	74826770	22106245182	36.55	93.64	84.85	98.64	21.76
51	71652602	21363757435	35.74	97.31	92.25	98.65	21
52	70140708	20935168823	35.39	97.92	93.79	98.71	20.61
53	80820900	24117240823	36	97.54	92.66	98.72	23.45

Sample ID	Clean Reads	Clean Data(bp)	GC(%)	Q20(%)	Q30(%)	Coverage Rate(%)	Average depth(×)
54	91800207	27355988808	36.54	96.92	91.36	98.64	26.33
55	91956847	27426205230	35.77	97.3	92.49	98.75	27.03
56	70147708	20923312223	35.31	97.38	92.55	98.78	20.74
57	72641279	21676957926	35.84	97.64	93.03	98.74	21.14
58	67979821	20261488104	35.9	97.02	91.17	98.67	19.98
59	72013284	21448398816	35.97	96.8	91.14	98.72	21.34
60	74590776	22228374592	35.77	96.91	91.32	98.83	21.89
61	82022446	24472122131	35.85	97.48	92.81	98.7	23.64
62	81208690	24204169189	36.05	96.98	91.71	98.73	24.54
63	66787552	19840638403	36.03	95.37	87.86	98.66	19.5
64	70681880	21044177674	35.67	96.54	90.4	98.74	21.15
65	95485645	28492791540	36.33	97.59	93.05	98.57	28.33
66	78248674	23346104906	35.94	97.53	92.82	98.6	23.39
67	78601464	23411360514	35.86	96.72	90.74	98.76	22.93
68	80679853	24063431671	35.88	97.46	92.66	98.75	23.69
69	67238739	20056745161	36.54	97.4	92.56	98.7	19.41
70	79492302	23685736879	36.2	96.82	91.34	98.6	23.28
71	80801459	24087254796	36.74	96.99	91.65	98.59	22.84
72	73186507	21818086899	35.97	97.11	91.93	98.74	21.6
73	84590736	25240281933	35.8	97.58	93.06	98.71	25.02
74	82353935	24433457099	36.13	95.08	87.39	98.82	24.1
75	138131156	41235818273	35.98	97.53	91.7	98.72	40.35
76	161780947	48254800789	35.55	96.97	90.43	98.85	46.98
77	78127161	23340317661	36.39	97.96	92.79	98.68	21.76
78	164099741	48927385688	35.95	96.52	89.61	98.81	46.56
79	166108428	49598125894	35.64	97.76	92.27	98.78	49.25
80	156128905	46531900330	35.75	96.54	89.41	98.8	45.33
81	71061238	21208580628	35.95	97.47	90.41	98.73	20.87
82	162106510	48396469647	36.15	97.49	91.7	98.81	46.91
83	78942120	23556154904	35.51	97.53	93.01	98.68	23.09
84	76251255	22737443949	35.73	96.98	91.97	98.74	22.48
85	77292848	23042958131	35.89	97.1	91.85	98.66	23.47
86	146696522	43722196314	35.95	96.57	89.51	98.84	43.08
87	69038901	20607230069	35.67	97.73	93.35	98.85	20.25
88	80554769	24037857039	35.96	97.48	92.77	98.73	23.58
89	136551611	40783790946	35.92	97.85	92.78	98.72	39.37
90	156074781	46519325845	35.31	96.57	89.24	98.86	45.73
91	120721182	36015772764	35.6	97.44	91.29	98.83	34.59
92	66165992	19754254503	36.03	97.19	90.18	98.81	19.19
93	82287820	24591145021	35.74	98.19	93.1	98.56	24.06
94	71298668	21285597225	36.16	97.16	89.96	98.65	20.67
95	72166169	21521622429	35.82	97.4	92.56	98.86	21.3
96	92580361	27630852804	35.71	97.59	93.03	98.72	27.55
97	89403924	26654503365	35.68	97.15	91.9	98.65	26
98	68905887	20547935894	35.88	97.35	92.37	98.75	20.09
99	76658599	22858591025	35.78	97.3	92.23	98.69	22.17
100	69235406	20640390528	35.68	97	91.71	98.72	20.01
101	67879793	20222218950	35.71	96.73	91.07	98.67	20.16
102	78562916	23359096621	35.43	95.93	88.52	98.72	23.26
103	175673768	52356780910	35.95	96.89	91.31	98.76	51.38
104	83363802	24854584051	36	97.16	91.98	98.68	24.17
105	95742757	28522713020	35.43	97.04	91.32	98.79	27.76
GX-7	98367301	29160101561	36.49	98.15	93.81	98.94	26.71
MY-1	102837851	30503473651	35.69	98.17	93.82	98.46	29.82