

Supplementary Table S3 Sequencing information

Sample	Raw Reads	Clean reads	Clean bases	Error(%)	Q20(%)	Q30(%)	GC(%)
A1	48488898	47804096	7.17G	0.01	97.97	94.96	46.04
A2	58135996	55849082	8.38G	0.02	97.19	92.75	42.99
A3	57075462	54457234	8.17G	0.01	97.47	93.77	46.12
A4	55777082	53475728	8.02G	0.02	97.14	92.68	44.69
A5	52602394	49839770	7.48G	0.02	97.02	92.74	45.22
A6	55764886	53196872	7.98G	0.01	97.41	93.62	44.83
B1	51983328	49190478	7.38G	0.02	97.16	93.06	44.21
B2	55947062	53736634	8.06G	0.01	98.18	95.46	45.12
B3	57135022	54939854	8.24G	0.01	98.26	95.63	44.76
B4	58461836	56062466	8.41G	0.01	98.14	95.39	45.09
B5	58953732	56432660	8.46G	0.01	97.62	94.23	45.23
B6	65234602	62610442	9.39G	0.01	98.03	95.15	45.29
C1	70036574	67122060	10.07G	0.01	98.25	95.69	45.31
C2	61085436	58426394	8.76G	0.01	97.9	94.94	46.31
C3	63562616	60866056	9.13G	0.01	98.25	95.68	44.56
C4	67075702	64283498	9.64G	0.01	98.24	95.62	45.42
C5	59302300	56654578	8.5G	0.01	97.43	93.79	45.43
C6	76668092	75191440	11.28G	0.01	97.99	95.1	44.99
D1	64363964	61563276	9.23G	0.01	98.04	95.21	47.47
D2	67212154	63915366	9.59G	0.02	96.57	91.94	45.45
D3	65424452	61564780	9.23G	0.02	96.31	91.4	44.93
D4	51221476	48561240	7.28G	0.02	96.48	91.79	46
D5	62835278	59711390	8.96G	0.02	96.59	92	45.31
D6	51040560	48728980	7.31G	0.02	96.75	92.28	45.66
G1	48368692	46435186	6.97G	0.02	97.2	92.73	46.56
G2	52466456	50264616	7.54G	0.02	96.99	92.34	47.23
G3	46435858	45826932	6.87G	0.01	98.13	95.23	45.72
G4	57552348	55087986	8.26G	0.01	97.62	93.99	46.35
G5	44000068	41832664	6.27G	0.01	97.38	93.53	48.17
G6	52940590	50259052	7.54G	0.02	97.04	92.72	46.15
H1	123811250	118600900	17.79G	0.01	98.08	95.18	46.21
H2	45482810	44410976	6.66G	0.01	97.77	94.31	47.02
H3	53830384	51626260	7.74G	0.01	98.36	95.78	46.62
H4	61091026	59522588	8.93G	0.01	97.62	94	46.96
H5	64162534	61573138	9.24G	0.01	98.41	95.95	45.72
H6	52331352	50662066	7.6G	0.01	97.89	94.56	47.04
I1	52241256	50420284	7.56G	0.02	96.92	92.56	48.01
I2	68770976	65967456	9.9G	0.01	98.15	95.43	46.94
I3	65563312	62625840	9.39G	0.01	98.18	95.52	46.03
I4	59166876	56730986	8.51G	0.01	98.16	95.4	46.46
I5	65201168	62497084	9.37G	0.01	98.17	95.45	46.03
I6	63987154	60983666	9.15G	0.01	98.19	95.49	47.72
J1	72315068	71051984	10.66G	0.01	98.1	95.29	47.8
J2	77242010	76103810	11.42G	0.01	98.09	95.28	47.52
J3	48894998	45788450	6.87G	0.02	96.76	92.34	47.49

J4	63635314	60210380	9.03G	0.02	96.49	91.76	47.2
J5	42179214	39967100	6G	0.02	96.62	92.03	46.84
J6	57992120	55338582	8.3G	0.02	96.87	92.49	46.45
M1	55039066	53626418	8.04G	0.01	97.56	93.88	46.51
M2	54926712	52719008	7.91G	0.02	96.91	92.19	48.19
M3	54133568	51866076	7.78G	0.02	96.84	92.12	48.42
M4	54794982	50787100	7.62G	0.01	97.04	93.03	50.67
M5	51024102	48438142	7.27G	0.02	96.92	92.5	47.82
N1	62607446	60134460	9.02G	0.01	98.22	95.49	48.95
N2	59712116	57284006	8.59G	0.01	98.23	95.52	48.56
N3	71091292	67980090	10.2G	0.01	98.26	95.65	48.48
N4	55918676	54079430	8.11G	0.01	97.27	93.29	49.21
N5	60538880	57819468	8.67G	0.01	98.05	95.16	49.47
N6	67161244	64102008	9.62G	0.01	98.22	95.55	48.69
O1	67776524	66752240	10.01G	0.01	97.97	95.04	47.76
O2	60525988	57931316	8.69G	0.01	98.17	95.49	49.25
O3	66689204	63688870	9.55G	0.01	98.17	95.47	48.37
O4	61327326	58618110	8.79G	0.01	97.93	94.93	49.06
O5	72388486	69390330	10.41G	0.01	98.02	95.09	48.95
O6	59999946	57562752	8.63G	0.01	98.03	95.14	48.56
P1	91710426	90040782	13.51G	0.01	97.98	95.06	49.18
P2	62157594	58825888	8.82G	0.02	96.39	91.58	48.93
P3	56866042	53742552	8.06G	0.02	96.54	91.87	48.56
P4	53696632	50841678	7.63G	0.02	96.4	91.6	49.16
P5	52022468	50420152	7.56G	0.01	97.63	94.03	48.59
P6	57555336	54669048	8.2G	0.02	96.73	92.2	48.68
