

Table S1. Sample optimization sequence information statistics table

Sample	Seq_num	Base_num (bp)	Mean_length (bp)	Min_length (bp)	Max_length (bp)
POT 1	40751	16613545	407.684	262	441
POT 2	72036	29180184	405.078	259	500
POT 3	51187	20938003	409.049	232	437
POT 4	31110	12612402	405.413	400	430
POT 5	50338	20433958	405.935	399	431
POT 6	50543	20647142	408.506	219	430
POT 7	41192	16848356	409.020	316	435
POT 8	34376	14116037	410.636	254	430
POT 9	57485	23404697	407.144	261	490
EOT 1	53112	21707385	408.710	239	430
EOT 2	49887	20405319	409.031	254	497
EOT 3	55913	22773493	407.302	221	500
EOT 4	57545	23528123	408.865	276	431
EOT 5	44502	18039801	405.371	270	511
EOT 6	62311	25433715	408.174	231	479
EOT 7	60368	24542914	406.555	245	490
EOT 8	55849	22687419	406.228	305	489
EOT 9	45015	18377260	408.247	232	490
EOT 10	41065	16801609	409.147	262	430
EOT 11	49779	20254151	406.881	336	488
EOT 12	43874	17980010	409.810	214	430
EOT 13	40785	16761428	410.970	248	434
LOT 1	34113	13834654	405.554	346	430
LOT 2	40459	16619890	410.784	401	430
LOT 3	37435	15208033	406.252	262	463
LOT 4	35642	14766164	414.291	253	470
LOT 5	49704	20370008	409.826	283	430
LOT 6	69047	28433872	411.805	285	471
LOT 7	35636	14476372	406.229	371	473
LOT 8	45748	18921094	413.594	254	431
LOT 9	108899	45025836	413.464	254	527

Table S2. Alpha diversity index of each sample

Sample	Sobs	Shannon	Shannoneven	Coverage
POT 1	223	4.40	0.81	1.00
POT 2	142	3.34	0.67	1.00
POT 3	207	4.33	0.81	1.00
POT 4	148	2.76	0.55	1.00
POT 5	198	3.29	0.62	1.00
POT 6	230	3.89	0.71	1.00
POT 7	156	3.94	0.78	1.00
POT 8	237	4.50	0.82	1.00
POT 9	231	4.39	0.81	1.00
EOT 1	247	4.27	0.78	1.00
EOT 2	258	3.50	0.63	1.00
EOT 3	393	4.93	0.82	1.00
EOT 4	231	4.41	0.81	1.00
EOT 5	255	3.34	0.60	1.00
EOT 6	277	4.58	0.81	1.00
EOT 7	225	3.05	0.56	1.00
EOT 8	275	3.64	0.65	1.00
EOT 9	275	4.15	0.74	1.00
EOT 10	328	4.10	0.71	1.00
EOT 11	212	4.13	0.77	1.00
EOT 12	207	4.31	0.81	1.00
EOT 13	281	4.55	0.81	1.00
LOT 1	190	4.06	0.77	1.00
LOT 2	124	2.92	0.61	1.00
LOT 3	134	3.79	0.77	1.00
LOT 4	91	2.24	0.50	1.00
LOT 5	218	4.21	0.78	1.00
LOT 6	219	3.81	0.71	1.00
LOT 7	174	3.50	0.68	1.00
LOT 8	180	3.83	0.74	1.00
LOT 9	230	3.37	0.62	1.00