Table S1: Plasmid content of transposon mutants on Tables 1 and 2[a]

Location	Locus	Insertion Site	Plasmids Missing In Arrayed STM Stock
chromosome	BB_0050	47204	cp9
chromosome	BB_0050	47284	cp32-6
chromosome	BB_0050	47348	cp32-6,cp9
chromosome	BB_0116	113343	Not Done
chromosome	BB_0157	158214	none
chromosome	BB_0157	158431	lp28-2
chromosome	BB_0163	163768	none
chromosome	BB_0224	228894	lp5
chromosome	BB_0224	228897	Not Done
chromosome	BB_0224	228901	lp5
chromosome	BB_0224	228925	lp5
chromosome	BB_0241	246612	Not Done
chromosome	BB_0241	247035	lp5
chromosome	BB_0241	247989	lp5
chromosome	BB_0243	248862	Complete
chromosome	BB_0243	249253	lp5, lp28-1
chromosome	BB_0243	249623	lp5
chromosome	BB_0243	249691	Complete
chromosome	BB_0408	420791	Not done
chromosome	BB_0408	421350	lp21,lp5
chromosome	BB_0420	431895	cp9
chromosome	BB_0420	431973	lp5
chromosome	BB_0420	432429	cp9,lp28-2
chromosome	BB_0420	432489	Complete
chromosome	BB_0420	434199	lp5
chromosome	BB_0420	434321	lp5
chromosome	BB_0420	434331	lp38,lp5
chromosome	BB_0420	434674	lp28-1,lp5
chromosome	BB_0629	659699	lp28-1,lp5
chromosome	BB_0629	659840	Complete
chromosome	BB_0629	660191	Complete
chromosome	BB_0629	661151	Not Done
chromosome	BB_0789	827550	Complete
chromosome	BB_0825	869189	cp9,lp5
plasmid_cp26	BB_B01	194	lp5
plasmid_cp26	BB_B04	2519	lp5, cp9
plasmid_cp26	BB_B04	2538	lp5
plasmid_cp26	BB_B04	2660	lp5, cp9
plasmid_cp26	BB_B04	2694	lp5, cp9
plasmid_cp26	BB_B04	2768	lp21, lp38
plasmid_cp26	BB_B04	2885	Complete

plasmid_cp26	BB_B04	2963	Not Done
plasmid_cp26	BB_B04	3039	Complete
plasmid_cp26	BB_B05	4228	lp5, cp9
plasmid_cp26	BB_B05	4354	Not Done
plasmid_cp26	BB_B06	4596	Complete
plasmid_cp26	BB_B16	12693	cp32-1
plasmid_cp26	BB_B16	12732	Not done
plasmid_cp26	BB_B16	12750	lp5
plasmid_cp26	BB_B16	13146	lp5
plasmid_cp26	BB_B16	13469	Not done
plasmid_cp26	BB_B29	24850	lp5
plasmid_cp26	BB_B29	25022	lp5
plasmid_cp26	BB_B29	25102	lp5
plasmid_cp26	BB_B29	25170	lp5
plasmid_cp26	BB_B29	25452	lp5
plasmid_cp26	BB_B29	25713	Complete
plasmid_cp26	BB_B29	25928	lp5
plasmid_cp26	BB_B29	25931	lp5
plasmid_cp26	BB_B29	25943	lp5
plasmid_cp26	BB_B29	26025	lp5
plasmid_cp26	BB_B29	26026	lp5
plasmid_lp25	BB_E22	15049	Complete
plasmid_lp25	BB_E22	15167	cp9
plasmid_lp54	BB_A04	2129	lp28-1
plasmid_lp54	BB_A04	2796	lp5

Table S2. Fitness values of all genes identified by the Tn-seq in the carbohydrate screen[a]

			GlcNAc		Maltose		Mannose		Trehalose	
Location	**Locus**	**Gene**	**Fitness Value[b]**	**p-value[c]**	**Fitness Value**	**p-value**	**Fitness Value**	**p-value**	**Fitness Value**	**p-value**
chromosome	BB_0001		**0.955** ± 0.405	0.718	**1.351** ± 0.615	0.484	**0.533** ± 0.200	0.158	**0.727** ± 0.369	0.302
chromosome	BB_0002		**1.151** ± 1.464	0.861	**1.854** ± 2.673	0.000	**0.978** ± 1.442	0.951	**1.646** ± 2.241	0.538
chromosome	BB_0017		**0.674** ± 0.259	0.153	**0.624** ± 0.374	0.424	**0.930** ± 0.397	0.464	**0.984** ± 0.476	0.306
chromosome	BB_0021	*queA*	**0.777** ± 0.290	0.269	**1.135** ± 0.385	0.275	**0.835** ± 0.314	0.319	**0.945** ± 0.419	0.704
chromosome	BB_0022	*ruvB*	**0.934** ± 0.172	0.085	**1.127** ± 0.350	0.440	**0.722** ± 0.082	0.052	**0.991** ± 0.193	0.864
chromosome	BB_0023	*ruvA*	**0.755** ± 0.424	0.248	**0.999** ± 0.685	0.987	**0.694** ± 0.374	0.199	**0.838** ± 0.499	0.220
chromosome	BB_0024		**0.861** ± 0.157	0.087	**1.114** ± 0.627	0.737	**0.699** ± 0.109	0.066	**0.937** ± 0.144	0.576
chromosome	BB_0040	*cheR*	**0.559** ± 0.223	0.175	**0.334** ± 0.270	0.197	**0.715** ± 0.352	0.136	**0.821** ± 0.497	0.126
chromosome	BB_0043		**1.268** ± 0.454	0.463	**2.000** ± 1.636	0.439	**0.942** ± 0.312	0.699	**0.924** ± 0.329	0.059
chromosome	BB_0045		**0.722** ± 0.349	0.502	**0.901** ± 0.424	0.778	**0.689** ± 0.430	0.257	**1.022** ± 0.596	0.955
chromosome	BB_0046	*rnhB*	**0.519** ± 0.356	0.265	**0.663** ± 0.368	0.397	**0.577** ± 0.153	0.041	**0.981** ± 0.291	0.073
chromosome	BB_0050		**0.220** ± 0.169	0.051	**0.639** ± 0.610	0.148	**0.817** ± 0.428	0.290	**0.916** ± 0.466	0.543
chromosome	BB_0051		**0.331** ± 0.207	0.067	**0.671** ± 0.638	0.298	**1.210** ± 0.663	0.126	**1.007** ± 0.401	0.978
chromosome	BB_0053	*ung*	**0.439** ± 0.222	0.028	**0.975** ± 0.599	0.886	**0.725** ± 0.288	0.115	**1.024** ± 0.601	0.873
chromosome	BB_0071		**1.005** ± 0.379	0.979	**0.873** ± 0.521	0.708	**0.551** ± 0.301	0.176	**0.764** ± 0.264	0.251
chromosome	BB_0085		**0.609** ± 0.208	0.097	**0.473** ± 0.396	0.311	**0.723** ± 0.284	0.089	**0.864** ± 0.386	0.069
chromosome	BB_0086		**0.419** ± 0.371	0.038	**0.735** ± 0.731	0.066	**0.739** ± 0.550	0.048	**0.934** ± 0.690	0.494
chromosome	BB_0098		**1.152** ± 0.672	0.387	**1.626** ± 0.979	0.169	**0.867** ± 0.434	0.064	**1.093** ± 0.534	0.184
chromosome	BB_0102		**0.751** ± 0.188	0.249	**1.533** ± 0.542	0.179	**0.783** ± 0.522	0.600	**1.424** ± 0.368	0.171
chromosome	BB_0110		**0.332** ± 0.119	0.085	**0.583** ± 0.364	0.359	**0.877** ± 0.416	0.068	**1.059** ± 0.493	0.570
chromosome	BB_0116		**0.785** ± 0.270	0.420	**0.747** ± 0.507	0.605	**0.814** ± 0.460	0.253	**1.421** ± 0.920	0.328
chromosome	BB_0117		**1.037** ± 0.405	0.904	**1.429** ± 0.561	0.330	**0.653** ± 0.252	0.294	**1.116** ± 0.415	0.551
chromosome	BB_0134		**0.634** ± 0.341	0.058	**0.998** ± 1.287	0.998	**0.422** ± 0.212	0.090	**0.880** ± 0.434	0.734
chromosome	BB_0138		**2.434** ± 2.082	0.070	**2.185** ± 2.776	0.342	**0.722** ± 0.647	0.327	**1.596** ± 1.694	0.333
chromosome	BB_0140		**1.003** ± 0.236	0.979	**1.391** ± 0.566	0.295	**0.717** ± 0.198	0.083	**1.051** ± 0.246	0.713
chromosome	BB_0141		**1.076** ± 0.160	0.592	**1.250** ± 0.199	0.161	**0.800** ± 0.272	0.417	**1.095** ± 0.529	0.776
chromosome	BB_0142		**1.121** ± 0.474	0.558	**1.724** ± 1.319	0.394	**0.694** ± 0.148	0.011	**0.980** ± 0.271	0.774
chromosome	BB_0143		**1.624** ± 2.134	0.587	**1.364** ± 1.373	0.202	**1.233** ± 1.727	0.811	**1.265** ± 1.185	0.670
chromosome	BB_0155		**0.393** ± 0.401	0.182	**0.301** ± 0.274	0.180	**0.662** ± 0.641	0.472	**0.487** ± 0.341	0.324
chromosome	BB_0156		**1.022** ± 0.532	0.723	**1.126** ± 0.421	0.550	**0.911** ± 0.318	0.718	**1.149** ± 0.484	0.517
chromosome	BB_0157		**0.315** ± 0.210	0.047	**0.390** ± 0.197	0.137	**0.439** ± 0.202	0.191	**0.617** ± 0.346	0.090
chromosome	BB_0158		**0.918** ± 0.186	0.143	**1.600** ± 0.963	0.348	**0.827** ± 0.180	0.254	**1.066** ± 0.269	0.466
chromosome	BB_0159		**0.797** ± 0.547	0.423	**1.591** ± 1.725	0.579	**0.622** ± 0.321	0.154	**0.828** ± 0.509	0.401
chromosome	BB_0161		**0.761** ± 0.367	0.034	**1.086** ± 0.563	0.249	**0.821** ± 0.375	0.158	**1.061** ± 0.625	0.616
chromosome	BB_0163		**2.437** ± 1.708	0.275	**3.092** ± 2.326	0.258	**0.941** ± 0.352	0.776	**1.074** ± 0.625	0.852
chromosome	BB_0164		**0.736** ± 0.390	0.409	**1.260** ± 0.413	0.446	**0.876** ± 0.258	0.208	**1.206** ± 0.459	0.417
chromosome	BB_0165		**0.809** ± 0.407	0.262	**1.111** ± 0.785	0.762	**0.598** ± 0.345	0.025	**0.894** ± 0.482	0.253
chromosome	BB_0166	*malQ*	**0.937** ± 0.458	0.556	**1.991** ± 1.386	0.257	**0.817** ± 0.326	0.074	**1.328** ± 0.392	0.136
chromosome	BB_0167		**1.147** ± 0.457	0.351	**1.130** ± 0.418	0.612	**0.854** ± 0.385	0.254	**1.031** ± 0.453	0.694
chromosome	BB_0194		**0.712** ± 0.416	0.108	**1.035** ± 0.253	0.672	**0.579** ± 0.194	0.154	**1.069** ± 0.422	0.823
chromosome	BB_0202		**0.514** ± 0.188	0.150	**0.551** ± 0.466	0.426	**0.843** ± 0.396	0.143	**1.042** ± 0.545	0.242
chromosome	BB_0203	*hflK*	**0.870** ± 0.108	0.280	**0.963** ± 0.219	0.715	**0.749** ± 0.109	0.009	**0.943** ± 0.207	0.569
chromosome	BB_0204	*hflC*	**0.781** ± 0.479	0.174	**1.283** ± 0.639	0.197	**0.721** ± 0.360	0.299	**1.138** ± 0.579	0.463
chromosome	BB_0208		**1.122** ± 0.340	0.012	**2.039** ± 1.728	0.341	**0.733** ± 0.191	0.089	**1.049** ± 0.256	0.551
chromosome	BB_0211		**1.250** ± 0.518	0.066	**1.309** ± 0.902	0.397	**0.883** ± 0.336	0.524	**1.020** ± 0.328	0.905
chromosome	BB_0223		**0.232** ± 0.112	0.060	**0.442** ± 0.384	0.310	**0.748** ± 0.340	0.252	**0.832** ± 0.461	0.018
chromosome	BB_0224		**0.267** ± 0.072	0.041	**0.487** ± 0.402	0.281	**0.782** ± 0.287	0.028	**0.927** ± 0.368	0.407
chromosome	BB_0228		**1.622** ± 0.540	0.130	**1.582** ± 0.660	0.317	**0.739** ± 0.226	0.248	**1.251** ± 0.652	0.513
chromosome	BB_0235	*ychF*	**1.293** ± 0.356	0.364	**2.569** ± 2.446	0.375	**1.229** ± 0.967	0.755	**0.894** ± 0.519	0.580
chromosome	BB_0241	*glpK*	**0.609** ± 0.346	0.160	**0.803** ± 0.396	0.409	**0.793** ± 0.536	0.244	**0.996** ± 0.617	0.967
chromosome	BB_0242		**0.596** ± 0.274	0.165	**1.137** ± 0.659	0.050	**0.645** ± 0.367	0.074	**0.843** ± 0.510	0.222
chromosome	BB_0243		**0.430** ± 0.420	0.186	**0.928** ± 1.015	0.261	**0.630** ± 0.703	0.121	**0.837** ± 0.921	0.100
chromosome	BB_0247	*rdgB*	**1.880** ± 2.287	0.606	**1.845** ± 1.599	0.153	**1.089** ± 0.905	0.874	**0.668** ± 1.281	0.334
chromosome	BB_0252		**0.950** ± 0.368	0.679	**1.483** ± 1.110	0.457	**0.684** ± 0.157	0.127	**0.953** ± 0.236	0.424
chromosome	BB_0254	*recJ*	**0.966** ± 0.671	0.771	**1.383** ± 0.772	0.077	**0.572** ± 0.512	0.419	**0.791** ± 0.645	0.682
chromosome	BB_0255		**1.177** ± 0.856	0.424	**1.815** ± 1.436	0.232	**0.799** ± 0.342	0.482	**1.200** ± 0.703	0.089
chromosome	BB_0256	*rpsU*	**0.860** ± 0.269	0.112	**1.501** ± 1.179	0.500	**0.714** ± 0.182	0.079	**0.785** ± 0.181	0.102
chromosome	BB_0261		**0.450** ± 0.375	0.120	**1.133** ± 1.077	0.859	**0.682** ± 0.824	0.626	**0.731** ± 0.658	0.660
chromosome	BB_0262		**1.185** ± 0.616	0.585	**2.038** ± 1.056	0.193	**0.661** ± 0.612	0.568	**1.800** ± 0.943	0.124
chromosome	BB_0264		**0.747** ± 0.330	0.014	**1.202** ± 0.675	0.475	**0.751** ± 0.278	0.100	**0.768** ± 0.247	0.222

chromosome	BB_0266		**1.147**	± 0.221	0.367	**1.729**	± 0.509	0.121	**0.801**	± 0.070	0.014	**1.161**	± 0.237	0.371
chromosome	BB_0267		**0.352**	± 0.386	0.018	**2.011**	± 3.150	0.572	**0.754**	± 0.537	0.522	**2.911**	± 3.798	0.407
chromosome	BB_0295	*hslU*	**1.424**	± 0.730	0.394	**1.341**	± 1.213	0.687	**0.980**	± 0.448	0.923	**0.878**	± 0.508	0.755
chromosome	BB_0296		**0.722**	± 0.637	0.196	**1.928**	± 2.379	0.586	**0.811**	± 0.841	0.786	**0.784**	± 0.773	0.784
chromosome	BB_0297		**0.898**	± 0.231	0.622	**1.312**	± 0.586	0.508	**1.015**	± 0.275	0.926	**1.137**	± 0.308	0.594
chromosome	BB_0315		**1.250**	± 0.974	0.646	**1.989**	± 1.786	0.422	**1.030**	± 0.619	0.951	**0.760**	± 0.367	0.259
chromosome	BB_0316		**0.979**	± 1.249	0.982	**0.663**	± 0.747	0.575	**1.728**	± 1.009	0.233	**0.705**	± 0.320	0.029
chromosome	BB_0322		**0.480**	± 0.364	0.216	**0.537**	± 0.353	0.368	**0.674**	± 0.494	0.427	**1.548**	± 1.454	0.275
chromosome	BB_0328		**0.691**	± 0.541	0.348	**0.996**	± 1.011	0.957	**0.596**	± 0.484	0.251	**0.885**	± 0.869	0.139
chromosome	BB_0329		**0.675**	± 0.285	0.062	**1.143**	± 0.730	0.573	**0.646**	± 0.252	0.083	**0.830**	± 0.523	0.262
chromosome	BB_0336		**0.905**	± 0.274	0.395	**1.161**	± 0.657	0.532	**0.660**	± 0.195	0.080	**0.912**	± 0.273	0.337
chromosome	BB_0344		**0.926**	± 1.430	0.916	**1.620**	± 1.801	0.493	**0.625**	± 0.549	0.157	**0.689**	± 0.467	0.255
chromosome	BB_0347		**0.709**	± 0.097	0.031	**1.306**	± 0.319	0.180	**0.794**	± 0.102	0.102	**1.190**	± 0.184	0.116
chromosome	BB_0359		**1.646**	± 0.126	0.012	**1.983**	± 1.939	0.473	**0.597**	± 0.152	0.015	**0.986**	± 0.625	0.972
chromosome	BB_0360		**1.014**	± 0.172	0.850	**1.180**	± 0.538	0.667	**0.678**	± 0.233	0.031	**0.996**	± 0.137	0.970
chromosome	BB_0361		**0.813**	± 0.427	0.657	**1.895**	± 1.613	0.404	**0.841**	± 0.370	0.660	**1.334**	± 0.659	0.030
chromosome	BB_0363		**0.962**	± 0.303	0.057	**1.548**	± 0.955	0.300	**0.833**	± 0.218	0.111	**1.076**	± 0.295	0.207
chromosome	BB_0365	*la7*	**0.627**	± 0.296	0.108	**0.586**	± 0.292	0.337	**0.713**	± 0.301	0.229	**0.912**	± 0.452	0.379
chromosome	BB_0368		**1.117**	± 1.479	0.865	**0.761**	± 0.506	0.654	**0.277**	± 0.278	0.177	**0.815**	± 0.688	0.630
chromosome	BB_0377	*luxS*	**0.917**	± 0.443	0.243	**1.622**	± 1.483	0.393	**0.676**	± 0.300	0.114	**0.887**	± 0.412	0.252
chromosome	BB_0378		**0.922**	± 0.414	0.212	**1.546**	± 1.473	0.473	**0.648**	± 0.288	0.053	**0.916**	± 0.470	0.338
chromosome	BB_0384	*bmpC*	**0.766**	± 0.427	0.527	**0.746**	± 0.408	0.533	**0.773**	± 0.424	0.480	**0.856**	± 0.519	0.627
chromosome	BB_0400		**0.765**	± 0.233	0.258	**1.055**	± 0.290	0.834	**0.754**	± 0.296	0.029	**0.946**	± 0.329	0.358
chromosome	BB_0404		**0.796**	± 0.668	0.747	**1.088**	± 0.744	0.757	**0.796**	± 0.538	0.530	**0.960**	± 0.670	0.872
chromosome	BB_0405		**0.891**	± 0.481	0.778	**1.292**	± 0.885	0.652	**0.615**	± 0.123	0.099	**0.864**	± 0.232	0.464
chromosome	BB_0406		**0.857**	± 0.273	0.253	**1.530**	± 1.016	0.382	**0.773**	± 0.350	0.140	**0.835**	± 0.504	0.478
chromosome	BB_0407	*manA*	**1.853**	± 0.994	0.257	**1.874**	± 0.434	0.069	**0.002**	± 0.004	0.001	**2.003**	± 0.320	0.038
chromosome	BB_0408	*fruA1*	**1.282**	± 0.486	0.085	**1.150**	± 0.738	0.494	**0.022**	± 0.015	0.041	**0.769**	± 0.305	0.467
chromosome	BB_0411		**0.730**	± 0.197	0.019	**1.190**	± 0.264	0.437	**0.688**	± 0.243	0.039	**0.901**	± 0.239	0.283
chromosome	BB_0412		**0.824**	± 0.289	0.122	**1.374**	± 0.952	0.425	**0.773**	± 0.244	0.183	**1.008**	± 0.359	0.940
chromosome	BB_0414		**1.042**	± 0.945	0.959	**1.230**	± 1.076	0.545	**0.338**	± 0.476	0.423	**0.703**	± 0.725	0.252
chromosome	BB_0415		**1.091**	± 0.293	0.283	**1.205**	± 0.646	0.686	**0.895**	± 0.234	0.147	**0.915**	± 0.152	0.313
chromosome	BB_0419	*rrp1*	**0.000**[a]	± x	0.149	**0.094**	± 0.178	0.129	**0.399**	± 0.426	0.259	**0.913**	± 1.159	0.568
chromosome	BB_0420	*hk1*	**0.195**	± 0.190	0.037	**0.592**	± 0.577	0.020	**1.071**	± 0.571	0.540	**0.924**	± 0.504	0.573
chromosome	BB_0421		**1.005**	± 0.545	0.990	**0.863**	± 0.434	0.656	**1.057**	± 0.758	0.926	**1.024**	± 0.693	0.970
chromosome	BB_0422		**0.910**	± 0.400	0.241	**1.493**	± 1.081	0.365	**0.593**	± 0.182	0.059	**0.911**	± 0.248	0.631
chromosome	BB_0429		**0.890**	± 0.202	0.485	**1.373**	± 0.973	0.475	**0.650**	± 0.151	0.100	**0.852**	± 0.200	0.378
chromosome	BB_0431		**0.883**	± 0.496	0.734	**1.968**	± 0.851	0.166	**0.502**	± 0.328	0.105	**1.095**	± 0.180	0.536
chromosome	BB_0450	*rpoN*	**0.779**	± 0.408	0.166	**0.926**	± 0.535	0.656	**0.498**	± 0.145	0.107	**0.773**	± 0.277	0.251
chromosome	BB_0453		**0.757**	± 0.235	0.349	**1.125**	± 0.884	0.739	**0.523**	± 0.260	0.008	**0.822**	± 0.333	0.109
chromosome	BB_0457	*uvrC*	**0.181**	± 0.224	0.219	**1.636**	± 1.735	0.072	**0.563**	± 0.679	0.486	**1.154**	± 1.468	0.379
chromosome	BB_0459		**0.952**	± 0.955	0.836	**1.043**	± 1.233	0.901	**0.770**	± 0.572	0.628	**0.742**	± 0.762	0.392
chromosome	BB_0460		**0.571**	± 0.326	0.106	**0.872**	± 0.327	0.591	**1.023**	± 0.358	0.920	**0.950**	± 0.631	0.875
chromosome	BB_0475		**0.961**	± 0.520	0.912	**1.226**	± 1.190	0.715	**0.703**	± 0.397	0.250	**0.768**	± 0.463	0.563
chromosome	BB_0505		**0.507**	± 0.266	0.040	**0.727**	± 0.684	0.235	**1.023**	± 0.618	0.794	**0.921**	± 0.505	0.133
chromosome	BB_0506	*rrmJ*	**0.655**	± 0.616	0.434	**0.576**	± 0.670	0.439	**0.803**	± 0.528	0.279	**0.523**	± 0.434	0.134
chromosome	BB_0516		**1.053**	± 1.569	0.819	**1.361**	± 1.287	0.570	**0.412**	± 0.498	0.256	**1.567**	± 1.700	0.373
chromosome	BB_0524		**2.251**	± 1.089	0.028	**2.154**	± 2.271	0.388	**1.327**	± 0.732	0.547	**1.664**	± 1.033	0.160
chromosome	BB_0525		**1.205**	± 0.356	0.433	**1.744**	± 1.032	0.391	**1.083**	± 0.370	0.778	**1.033**	± 0.461	0.818
chromosome	BB_0528		**0.757**	± 0.067	0.033	**0.993**	± 0.159	0.939	**0.804**	± 0.187	0.198	**0.840**	± 0.211	0.307
chromosome	BB_0530		**0.691**	± 0.304	0.050	**1.231**	± 0.648	0.480	**0.894**	± 0.372	0.544	**1.155**	± 0.337	0.081
chromosome	BB_0531		**0.736**	± 0.703	0.656	**0.810**	± 0.779	0.715	**0.769**	± 0.769	0.494	**1.267**	± 0.765	0.647
chromosome	BB_0532		**1.010**	± 0.429	0.974	**1.039**	± 0.461	0.898	**0.829**	± 0.432	0.624	**0.974**	± 0.746	0.879
chromosome	BB_0536		**1.109**	± 0.844	0.683	**1.711**	± 1.728	0.182	**0.718**	± 0.631	0.279	**0.930**	± 0.873	0.446
chromosome	BB_0537		**0.865**	± 0.239	0.423	**1.116**	± 0.463	0.416	**0.556**	± 0.180	0.063	**0.856**	± 0.266	0.330
chromosome	BB_0542		**0.948**	± 0.521	0.602	**1.122**	± 0.787	0.528	**0.756**	± 0.523	0.157	**0.861**	± 0.853	0.645
chromosome	BB_0553		**1.053**	± 0.370	0.642	**1.441**	± 0.857	0.368	**0.750**	± 0.138	0.155	**0.975**	± 0.214	0.736
chromosome	BB_0554		**0.818**	± 0.234	0.262	**0.975**	± 0.433	0.814	**0.659**	± 0.193	0.063	**0.898**	± 0.287	0.109
chromosome	BB_0555		**0.690**	± 0.136	0.066	**1.295**	± 0.684	0.556	**0.795**	± 0.304	0.430	**0.783**	± 0.157	0.115
chromosome	BB_0556		**0.869**	± 0.238	0.420	**1.042**	± 0.621	0.856	**0.624**	± 0.158	0.134	**0.804**	± 0.275	0.010
chromosome	BB_0563		**1.173**	± 0.622	0.140	**1.418**	± 1.138	0.414	**0.714**	± 0.365	0.049	**1.082**	± 0.781	0.811
chromosome	BB_0565		**1.031**	± 0.119	0.532	**1.368**	± 0.656	0.448	**0.717**	± 0.156	0.064	**0.994**	± 0.313	0.977
chromosome	BB_0566		**1.095**	± 0.608	0.488	**2.075**	± 1.736	0.210	**0.675**	± 0.467	0.071	**1.470**	± 1.114	0.181
chromosome	BB_0567		**0.791**	± 0.166	0.151	**1.229**	± 0.638	0.430	**0.656**	± 0.138	0.068	**0.949**	± 0.258	0.147

chromosome	BB_0568		**0.844**	± 0.195	0.073	**1.322**	± 0.870	0.539	**0.683**	± 0.103	0.024	**0.926**	± 0.139	0.564
chromosome	BB_0569		**0.918**	± 0.428	0.499	**1.549**	± 1.131	0.383	**0.853**	± 0.437	0.161	**1.045**	± 0.333	0.787
chromosome	BB_0570		**1.116**	± 0.449	0.728	**1.477**	± 0.772	0.394	**0.784**	± 0.308	0.304	**1.145**	± 0.466	0.391
chromosome	BB_0576		**1.154**	± 0.398	0.339	**1.569**	± 1.174	0.321	**0.788**	± 0.404	0.195	**1.102**	± 0.472	0.663
chromosome	BB_0577		**0.887**	± 0.308	0.058	**1.505**	± 1.192	0.448	**0.866**	± 0.256	0.502	**0.923**	± 0.241	0.467
chromosome	BB_0578		**0.943**	± 0.284	0.284	**1.397**	± 0.752	0.291	**0.719**	± 0.210	0.101	**1.124**	± 0.347	0.231
chromosome	BB_0580		**0.496**	± 0.425	0.199	**0.399**	± 0.393	0.396	**0.716**	± 0.662	0.201	**0.923**	± 0.923	0.065
chromosome	BB_0581	*recG*	**0.849**	± 0.214	0.379	**1.384**	± 1.022	0.613	**0.590**	± 0.188	0.166	**0.947**	± 0.458	0.797
chromosome	BB_0582		**0.868**	± 0.221	0.517	**0.949**	± 0.547	0.878	**0.599**	± 0.153	0.006	**1.035**	± 0.278	0.815
chromosome	BB_0584		**1.099**	± 0.653	0.654	**1.500**	± 1.332	0.594	**0.798**	± 0.828	0.446	**1.260**	± 0.548	0.484
chromosome	BB_0588	*bgp*	**0.775**	± 0.166	0.086	**0.774**	± 0.369	0.317	**0.626**	± 0.083	0.004	**0.820**	± 0.129	0.169
chromosome	BB_0591		**1.096**	± 0.342	0.540	**1.636**	± 0.967	0.316	**0.652**	± 0.192	0.046	**0.870**	± 0.353	0.337
chromosome	BB_0597		**1.107**	± 0.939	0.692	**1.357**	± 0.789	0.136	**1.246**	± 0.713	0.442	**1.226**	± 0.845	0.138
chromosome	BB_0605		**1.131**	± 0.945	0.773	**1.556**	± 1.622	0.528	**0.645**	± 0.501	0.193	**0.998**	± 0.698	0.994
chromosome	BB_0607	*pcrA*	**0.910**	± 0.677	0.862	**2.133**	± 2.080	0.151	**0.850**	± 0.703	0.429	**1.041**	± 0.878	0.840
chromosome	BB_0608		**1.202**	± 0.775	0.060	**1.202**	± 0.888	0.721	**0.542**	± 0.259	0.201	**1.064**	± 0.520	0.815
chromosome	BB_0616		**1.415**	± 0.831	0.536	**1.651**	± 1.103	0.440	**0.855**	± 0.507	0.766	**1.262**	± 1.027	0.724
chromosome	BB_0617		**0.792**	± 0.344	0.493	**1.354**	± 1.289	0.648	**0.359**	± 0.130	0.027	**0.372**	± 0.086	0.044
chromosome	BB_0618	*cdd*	**1.911**	± 1.401	0.082	**1.670**	± 1.163	0.208	**1.555**	± 1.222	0.224	**0.928**	± 0.541	0.747
chromosome	BB_0619		**0.283**	± 0.157	0.150	**0.543**	± 0.298	0.299	**0.570**	± 0.370	0.207	**0.743**	± 0.434	0.359
chromosome	BB_0620		**0.827**	± 0.352	0.148	**1.517**	± 0.919	0.290	**0.739**	± 0.286	0.202	**1.037**	± 0.353	0.535
chromosome	BB_0623	*mfd*	**1.280**	± 0.959	0.244	**1.440**	± 1.617	0.461	**0.817**	± 0.519	0.521	**1.369**	± 0.844	0.410
chromosome	BB_0626	*rnmV*	**0.845**	± 0.713	0.814	**0.937**	± 1.404	0.890	**0.570**	± 0.589	0.158	**0.718**	± 0.658	0.338
chromosome	BB_0629		**0.965**	± 0.178	0.815	**1.382**	± 0.834	0.511	**0.602**	± 0.118	0.061	**0.888**	± 0.101	0.263
chromosome	BB_0630	*pfkB*	**1.389**	± 1.842	0.577	**2.700**	± 3.386	0.270	**0.509**	± 0.798	0.163	**1.887**	± 1.964	0.167
chromosome	BB_0631		**1.357**	± 1.348	0.658	**0.711**	± 0.537	0.344	**0.711**	± 0.723	0.004	**1.321**	± 0.952	0.291
chromosome	BB_0637		**1.077**	± 0.178	0.377	**2.060**	± 1.391	0.303	**0.789**	± 0.316	0.454	**0.979**	± 0.333	0.937
chromosome	BB_0638		**0.853**	± 0.233	0.172	**1.266**	± 0.389	0.449	**0.777**	± 0.208	0.028	**0.857**	± 0.178	0.209
chromosome	BB_0645		**1.166**	± 0.810	0.794	**1.189**	± 1.055	0.822	**1.050**	± 0.703	0.372	**0.781**	± 0.691	0.685
chromosome	BB_0656		**0.784**	± 0.962	0.110	**1.575**	± 1.215	0.311	**0.730**	± 0.619	0.362	**0.944**	± 0.851	0.922
chromosome	BB_0666		**1.088**	± 0.955	0.737	**1.603**	± 1.250	0.402	**0.619**	± 0.495	0.516	**0.604**	± 0.489	0.479
chromosome	BB_0670		**0.729**	± 0.635	0.563	**1.161**	± 1.000	0.825	**0.361**	± 0.395	0.193	**0.820**	± 0.952	0.184
chromosome	BB_0671		**0.709**	± 0.283	0.047	**1.056**	± 0.704	0.838	**0.703**	± 0.297	0.039	**0.824**	± 0.430	0.364
chromosome	BB_0674		**0.923**	± 0.427	0.773	**1.400**	± 0.714	0.450	**0.495**	± 0.225	0.086	**0.871**	± 0.233	0.216
chromosome	BB_0675		**0.846**	± 0.376	0.374	**2.072**	± 2.531	0.509	**0.626**	± 0.278	0.053	**1.023**	± 0.591	0.935
chromosome	BB_0680		**1.047**	± 0.820	0.598	**1.742**	± 1.846	0.359	**0.659**	± 0.419	0.209	**0.889**	± 0.593	0.376
chromosome	BB_0681		**0.747**	± 0.192	0.008	**1.140**	± 0.403	0.369	**0.712**	± 0.222	0.021	**0.961**	± 0.261	0.300
chromosome	BB_0707		**0.760**	± 0.054	0.007	**1.354**	± 0.480	0.322	**0.474**	± 0.205	0.029	**0.887**	± 0.462	0.690
chromosome	BB_0722		**1.193**	± 0.233	0.173	**1.745**	± 1.198	0.373	**0.866**	± 0.277	0.356	**1.102**	± 0.151	0.081
chromosome	BB_0723		**0.716**	± 0.155	0.089	**0.762**	± 0.677	0.516	**1.022**	± 0.371	0.821	**1.143**	± 0.281	0.044
chromosome	BB_0726		**2.424**	± 3.150	0.504	**9.225**	± 13.320	0.382	**2.320**	± 2.230	0.444	**3.209**	± 2.033	0.088
chromosome	BB_0739		**1.426**	± 1.092	0.055	**1.249**	± 1.303	0.566	**0.434**	± 0.326	0.287	**1.108**	± 0.738	0.701
chromosome	BB_0740		**0.842**	± 0.388	0.167	**1.361**	± 1.020	0.589	**0.698**	± 0.280	0.355	**0.991**	± 0.383	0.902
chromosome	BB_0743		**0.645**	± 0.146	0.139	**0.407**	± 0.317	0.119	**0.472**	± 0.078	0.032	**0.833**	± 0.249	0.359
chromosome	BB_0744	*p83/100*	**0.790**	± 0.565	0.539	**1.316**	± 0.952	0.602	**0.817**	± 0.248	0.411	**1.742**	± 0.617	0.138
chromosome	BB_0745		**0.953**	± 0.371	0.571	**1.335**	± 0.496	0.129	**0.814**	± 0.179	0.142	**0.911**	± 0.316	0.108
chromosome	BB_0756		**0.707**	± 0.298	0.367	**1.253**	± 0.983	0.714	**0.323**	± 0.152	0.058	**0.957**	± 0.551	0.887
chromosome	BB_0761		**1.609**	± 2.096	0.508	**0.990**	± 0.920	0.987	**0.334**	± 0.206	0.178	**0.408**	± 0.324	0.129
chromosome	BB_0767	*murG*	**1.627**	± 1.140	0.413	**1.807**	± 0.791	0.126	**1.120**	± 0.423	0.365	**1.743**	± 0.827	0.198
chromosome	BB_0771	*rpoS*	**1.077**	± 0.974	0.385	**1.624**	± 1.743	0.315	**0.706**	± 0.549	0.228	**1.024**	± 0.848	0.699
chromosome	BB_0772		**1.147**	± 0.358	0.194	**1.688**	± 1.175	0.342	**0.721**	± 0.212	0.035	**0.986**	± 0.265	0.820
chromosome	BB_0773		**1.097**	± 1.031	0.236	**2.058**	± 2.584	0.353	**0.665**	± 0.494	0.338	**1.031**	± 0.833	0.848
chromosome	BB_0789		**0.829**	± 0.757	0.810	**0.978**	± 1.057	0.960	**0.096**	± 0.122	0.229	**0.409**	± 0.755	0.059
chromosome	BB_0797	*mutS*	**1.005**	± 0.361	0.956	**1.281**	± 0.709	0.245	**0.751**	± 0.360	0.016	**1.063**	± 0.507	0.477
chromosome	BB_0803	*truB*	**0.925**	± 0.355	0.759	**0.893**	± 0.704	0.811	**0.988**	± 0.299	0.946	**1.527**	± 0.413	0.202
chromosome	BB_0811		**1.594**	± 1.143	0.265	**1.613**	± 1.101	0.061	**0.744**	± 0.541	0.208	**1.316**	± 1.214	0.440
chromosome	BB_0814	*panF*	**1.527**	± 0.873	0.020	**1.759**	± 1.241	0.382	**1.141**	± 0.684	0.162	**1.085**	± 0.774	0.474
chromosome	BB_0815		**1.089**	± 0.351	0.506	**1.617**	± 1.249	0.388	**0.940**	± 0.248	0.708	**1.062**	± 0.512	0.740
chromosome	BB_0823		**0.860**	± 1.100	0.685	**1.564**	± 1.359	0.594	**0.894**	± 0.581	0.825	**1.140**	± 1.443	0.857
chromosome	BB_0824		**0.891**	± 0.676	0.684	**0.842**	± 0.346	0.543	**0.780**	± 0.465	0.137	**0.493**	± 0.355	0.038
chromosome	BB_0825		**0.449**	± 0.440	0.138	**0.674**	± 0.735	0.243	**0.280**	± 0.379	0.307	**0.523**	± 0.390	0.310
chromosome	BB_0826		**0.884**	± 1.010	0.826	**1.207**	± 1.429	0.794	**0.440**	± 0.635	0.563	**1.065**	± 1.290	0.952
chromosome	BB_0829		**0.667**	± 0.154	0.063	**0.868**	± 0.292	0.645	**0.717**	± 0.165	0.073	**1.040**	± 0.364	0.546
chromosome	BB_0830		**0.746**	± 0.510	0.203	**1.203**	± 1.279	0.605	**0.486**	± 0.323	0.131	**0.803**	± 0.746	0.180

chromosome	BB_0831		**0.691** ± 0.452	0.509	**0.971** ± 0.398	0.937	**0.965** ± 0.347	0.107	**1.275** ± 0.549	0.130
chromosome	BB_0836	*uvrB*	**0.284** ± 0.215	0.230	**0.480** ± 0.430	0.337	**0.548** ± 0.506	0.501	**1.451** ± 0.956	0.306
chromosome	BB_0838		**1.101** ± 0.605	0.620	**1.987** ± 1.696	0.266	**0.858** ± 0.489	0.393	**1.441** ± 0.913	0.466
chromosome	BB_0844		**1.142** ± 0.685	0.673	**1.557** ± 1.071	0.404	**0.966** ± 0.729	0.930	**1.142** ± 0.882	0.783
chromosome	BB_0845a		**1.245** ± 0.902	0.184	**1.734** ± 1.691	0.335	**0.807** ± 0.456	0.316	**1.084** ± 0.671	0.395
chromosome	BB_0845b		**0.895** ± 0.777	0.500	**1.765** ± 1.591	0.302	**0.684** ± 0.544	0.086	**0.748** ± 0.717	0.200
chromosome	BB_0848a		**0.853** ± 0.541	0.370	**0.703** ± 0.528	0.573	**1.153** ± 0.693	0.782	**0.327** ± 0.317	0.118
chromosome	BB_0849b		**1.153** ± 0.922	0.745	**1.359** ± 1.317	0.631	**0.789** ± 0.419	0.197	**1.176** ± 0.621	0.523
chromosome	BB_0852		**1.117** ± 0.405	0.397	**1.134** ± 0.430	0.345	**0.737** ± 0.320	0.454	**1.090** ± 0.260	0.549
chromosome	BB_0853		**0.896** ± 0.747	0.690	**1.624** ± 1.330	0.228	**0.982** ± 0.653	0.945	**0.994** ± 0.746	0.949
chromosome	BB_r01	*5S_rrlA*	**0.027** ± 0.027	0.027	**0.257** ± 0.424	0.188	**0.587** ± 0.193	0.189	**0.374** ± 0.165	0.062
chromosome	BB_r02	*23S_rrlA*	**0.572** ± 0.192	0.043	**0.717** ± 0.180	0.170	**0.621** ± 0.238	0.003	**0.779** ± 0.320	0.055
chromosome	BB_r03	*5S_rrlB*	**0.030** ± 0.025	0.042	**0.278** ± 0.444	0.219	**0.556** ± 0.238	0.240	**0.388** ± 0.155	0.069
chromosome	BB_r04	*23S_rrlB*	**0.568** ± 0.191	0.027	**0.733** ± 0.177	0.135	**0.622** ± 0.236	0.002	**0.774** ± 0.311	0.061
plasmid_cp26	BB_B01		**0.324** ± 0.343	0.021	**0.459** ± 0.446	0.010	**0.890** ± 0.556	0.119	**0.949** ± 0.677	0.548
plasmid_cp26	BB_B02		**1.653** ± 0.275	0.006	**1.123** ± 0.164	0.129	**0.928** ± 0.146	0.362	**1.106** ± 0.213	0.320
plasmid_cp26	BB_B04		**0.742** ± 0.540	0.394	**0.741** ± 0.252	0.059	**0.715** ± 0.103	0.026	**0.950** ± 0.125	0.491
plasmid_cp26	BB_B05		**0.954** ± 0.697	0.852	**0.925** ± 0.293	0.743	**0.921** ± 0.307	0.639	**1.194** ± 0.374	0.253
plasmid_cp26	BB_B06		**0.643** ± 0.610	0.544	**0.748** ± 0.689	0.687	**1.030** ± 0.374	0.861	**1.121** ± 0.450	0.046
plasmid_cp26	BB_B07		**1.557** ± 0.210	0.041	**1.567** ± 0.829	0.358	**0.853** ± 0.068	0.008	**1.038** ± 0.067	0.020
plasmid_cp26	BB_B09		**1.214** ± 0.339	0.023	**0.920** ± 0.317	0.297	**0.750** ± 0.247	0.001	**0.907** ± 0.212	0.196
plasmid_cp26	BB_B12		**1.139** ± 0.879	0.741	**0.614** ± 0.495	0.530	**0.630** ± 0.511	0.542	**1.034** ± 0.882	0.951
plasmid_cp26	BB_B14		**1.525** ± 0.588	0.200	**1.316** ± 0.610	0.396	**0.889** ± 0.113	0.102	**1.060** ± 0.219	0.452
plasmid_cp26	BB_B16		**0.142** ± 0.118	0.042	**0.371** ± 0.366	0.021	**0.961** ± 0.450	0.617	**0.840** ± 0.351	0.469
plasmid_cp26	BB_B17		**2.139** ± 0.550	0.063	**1.494** ± 0.660	0.386	**0.863** ± 0.342	0.209	**1.145** ± 0.243	0.351
plasmid_cp26	BB_B18	*guaA*	**1.996** ± 0.371	0.037	**1.593** ± 0.892	0.406	**0.850** ± 0.192	0.006	**1.019** ± 0.160	0.646
plasmid_cp26	BB_B22		**1.849** ± 0.524	0.106	**1.238** ± 0.446	0.514	**0.886** ± 0.249	0.023	**1.022** ± 0.241	0.662
plasmid_cp26	BB_B23		**0.830** ± 0.259	0.019	**0.482** ± 0.318	0.216	**0.803** ± 0.282	0.055	**0.927** ± 0.290	0.154
plasmid_cp26	BB_B24		**1.454** ± 0.106	0.023	**1.132** ± 0.298	0.556	**0.800** ± 0.097	0.076	**1.007** ± 0.184	0.963
plasmid_cp26	BB_B25		**1.367** ± 0.857	0.057	**1.068** ± 0.567	0.689	**0.818** ± 0.493	0.324	**1.081** ± 0.685	0.480
plasmid_cp26	BB_B27		**1.723** ± 0.660	0.007	**1.079** ± 0.441	0.341	**0.913** ± 0.341	0.462	**1.389** ± 0.557	0.164
plasmid_cp26	BB_B28		**1.465** ± 0.185	0.027	**0.815** ± 0.392	0.449	**0.847** ± 0.066	0.006	**1.157** ± 0.171	0.200
plasmid_cp26	BB_B29		**0.067** ± 0.079	0.124	**0.321** ± 0.447	0.063	**3.089** ± 2.711	0.064	**0.097** ± 0.085	0.136
plasmid_cp32-1	BB_P01		**2.055** ± 0.665	0.052	**1.487** ± 1.018	0.424	**0.983** ± 0.224	0.247	**1.073** ± 0.303	0.393
plasmid_cp32-1	BB_P02		**1.837** ± 0.524	0.028	**1.085** ± 0.409	0.556	**1.042** ± 0.238	0.532	**1.010** ± 0.236	0.936
plasmid_cp32-1	BB_P03		**1.962** ± 0.597	0.104	**1.548** ± 0.738	0.325	**1.036** ± 0.359	0.885	**1.021** ± 0.137	0.864
plasmid_cp32-1	BB_P04		**1.459** ± 0.782	0.013	**1.103** ± 0.593	0.243	**1.048** ± 0.519	0.629	**1.293** ± 0.736	0.051
plasmid_cp32-1	BB_P05		**2.443** ± 0.833	0.040	**2.116** ± 1.774	0.337	**1.067** ± 0.413	0.530	**1.371** ± 0.430	0.041
plasmid_cp32-1	BB_P06		**2.249** ± 1.137	0.147	**1.670** ± 1.491	0.469	**0.799** ± 0.278	0.112	**1.045** ± 0.275	0.696
plasmid_cp32-1	BB_P07		**1.516** ± 0.590	0.287	**1.641** ± 1.591	0.555	**0.814** ± 0.308	0.501	**0.915** ± 0.395	0.810
plasmid_cp32-1	BB_P08		**0.562** ± 0.175	0.142	**0.489** ± 0.302	0.205	**1.149** ± 0.400	0.043	**1.063** ± 0.434	0.457
plasmid_cp32-1	BB_P09		**2.759** ± 1.191	0.062	**1.624** ± 1.133	0.338	**0.967** ± 0.288	0.246	**1.247** ± 0.420	0.064
plasmid_cp32-1	BB_P10		**1.306** ± 0.230	0.052	**0.817** ± 0.163	0.189	**0.864** ± 0.169	0.066	**1.037** ± 0.128	0.273
plasmid_cp32-1	BB_P11		**1.974** ± 0.874	0.159	**1.572** ± 1.127	0.428	**1.088** ± 0.302	0.396	**1.144** ± 0.232	0.181
plasmid_cp32-1	BB_P12		**2.153** ± 0.806	0.092	**1.986** ± 1.862	0.425	**0.993** ± 0.260	0.960	**1.021** ± 0.270	0.741
plasmid_cp32-1	BB_P13		**2.432** ± 0.802	0.042	**1.528** ± 0.995	0.355	**1.152** ± 0.562	0.512	**1.343** ± 0.487	0.291
plasmid_cp32-1	BB_P14		**1.858** ± 0.543	0.004	**1.703** ± 1.173	0.272	**1.221** ± 0.397	0.459	**1.096** ± 0.428	0.107
plasmid_cp32-1	BB_P15		**2.023** ± 0.675	0.023	**1.499** ± 1.171	0.437	**0.891** ± 0.286	0.335	**0.953** ± 0.311	0.001
plasmid_cp32-1	BB_P16		**1.785** ± 0.631	0.090	**1.593** ± 1.299	0.461	**0.914** ± 0.238	0.440	**1.085** ± 0.314	0.590
plasmid_cp32-1	BB_P17		**1.972** ± 1.130	0.053	**0.651** ± 0.304	0.374	**0.955** ± 0.459	0.760	**1.038** ± 0.544	0.562
plasmid_cp32-1	BB_P18		**2.176** ± 0.542	0.026	**1.908** ± 1.501	0.369	**1.048** ± 0.165	0.547	**1.258** ± 0.168	0.081
plasmid_cp32-1	BB_P19		**3.577** ± 1.213	0.056	**1.672** ± 1.459	0.500	**0.998** ± 0.143	0.986	**1.184** ± 0.330	0.411
plasmid_cp32-1	BB_P20		**1.495** ± 0.262	0.016	**1.029** ± 0.277	0.791	**0.914** ± 0.112	0.279	**1.107** ± 0.130	0.133
plasmid_cp32-1	BB_P21		**1.993** ± 0.921	0.018	**0.839** ± 0.442	0.279	**0.875** ± 0.398	0.248	**1.011** ± 0.475	0.951
plasmid_cp32-1	BB_P22		**1.708** ± 0.787	0.038	**1.203** ± 0.866	0.521	**0.914** ± 0.425	0.439	**1.037** ± 0.452	0.719
plasmid_cp32-1	BB_P23	*blyA*	**1.100** ± 0.436	0.275	**0.478** ± 0.346	0.292	**0.915** ± 0.356	0.446	**0.989** ± 0.422	0.819
plasmid_cp32-1	BB_P24	*blyB*	**2.668** ± 1.384	0.109	**1.547** ± 0.965	0.459	**0.977** ± 0.653	0.925	**0.780** ± 0.280	0.448
plasmid_cp32-1	BB_P25		**2.174** ± 1.115	0.092	**1.745** ± 1.470	0.365	**1.015** ± 0.440	0.897	**1.081** ± 0.413	0.425
plasmid_cp32-1	BB_P26		**2.010** ± 1.637	0.329	**1.389** ± 0.957	0.481	**0.757** ± 0.320	0.061	**0.743** ± 0.523	0.370
plasmid_cp32-1	BB_P27	*revA*	**1.706** ± 0.707	0.200	**1.311** ± 0.884	0.430	**0.836** ± 0.359	0.498	**0.852** ± 0.319	0.624
plasmid_cp32-1	BB_P28	*mlpA*	**1.438** ± 1.435	0.659	**1.173** ± 1.183	0.790	**0.491** ± 0.433	0.336	**1.007** ± 0.911	0.992
plasmid_cp32-1	BB_P29		**2.774** ± 1.618	0.095	**1.960** ± 1.719	0.321	**1.064** ± 0.449	0.280	**1.180** ± 0.509	0.080
plasmid_cp32-1	BB_P35	*bppA*	**2.522** ± 1.378	0.090	**1.863** ± 1.576	0.330	**0.941** ± 0.355	0.489	**1.044** ± 0.398	0.383
plasmid_cp32-1	BB_P36	*bppB*	**2.416** ± 2.206	0.169	**1.761** ± 1.954	0.359	**0.978** ± 0.711	0.831	**1.094** ± 0.877	0.172

plasmid_cp32-1	BB_P37	*bppC*	**2.556** ± 1.582	0.118	**0.906** ± 0.448	0.804	**0.680** ± 0.346	0.452	**1.259** ± 0.726	0.056
plasmid_cp32-1	BB_P38	*erpA*	**2.916** ± 1.169	0.085	**1.894** ± 1.259	0.309	**1.005** ± 0.172	0.948	**1.081** ± 0.157	0.053
plasmid_cp32-1	BB_P39	*erpB*	**2.056** ± 0.212	0.002	**1.693** ± 0.861	0.266	**1.153** ± 0.192	0.338	**1.265** ± 0.296	0.321
plasmid_cp32-1	BB_P40		**2.578** ± 1.437	0.165	**2.036** ± 1.874	0.406	**0.908** ± 0.340	0.693	**1.490** ± 0.614	0.197
plasmid_cp32-1	BB_P41		**2.831** ± 2.663	0.164	**2.253** ± 3.038	0.416	**0.873** ± 0.699	0.350	**0.950** ± 0.746	0.509
plasmid_cp32-1	BB_P42		**2.335** ± 0.735	0.029	**1.674** ± 1.202	0.351	**0.911** ± 0.206	0.479	**1.032** ± 0.292	0.721
plasmid_cp32-3	BB_S01		**2.178** ± 0.623	0.051	**1.501** ± 0.987	0.426	**1.085** ± 0.197	0.144	**1.104** ± 0.242	0.269
plasmid_cp32-3	BB_S02		**1.793** ± 0.442	0.071	**1.037** ± 0.245	0.773	**1.020** ± 0.113	0.670	**1.006** ± 0.121	0.930
plasmid_cp32-3	BB_S03		**1.987** ± 0.646	0.110	**1.481** ± 0.783	0.395	**1.026** ± 0.390	0.928	**0.982** ± 0.155	0.902
plasmid_cp32-3	BB_S04		**1.656** ± 0.735	0.091	**1.556** ± 1.074	0.332	**1.013** ± 0.340	0.534	**1.278** ± 0.365	0.066
plasmid_cp32-3	BB_S05		**2.336** ± 0.710	0.027	**1.743** ± 1.379	0.387	**1.053** ± 0.345	0.698	**1.212** ± 0.344	0.392
plasmid_cp32-3	BB_S06		**2.320** ± 1.162	0.142	**1.669** ± 1.481	0.469	**0.826** ± 0.286	0.222	**1.051** ± 0.303	0.701
plasmid_cp32-3	BB_S07		**1.413** ± 0.561	0.353	**1.551** ± 1.613	0.588	**0.717** ± 0.366	0.470	**0.918** ± 0.480	0.844
plasmid_cp32-3	BB_S08		**0.573** ± 0.177	0.148	**0.501** ± 0.309	0.212	**1.166** ± 0.389	0.043	**1.075** ± 0.437	0.441
plasmid_cp32-3	BB_S09		**2.707** ± 0.904	0.054	**1.513** ± 0.910	0.382	**0.968** ± 0.259	0.778	**1.151** ± 0.319	0.354
plasmid_cp32-3	BB_S10		**2.416** ± 0.908	0.049	**1.366** ± 0.874	0.420	**0.882** ± 0.279	0.240	**1.073** ± 0.334	0.241
plasmid_cp32-3	BB_S11		**2.190** ± 0.964	0.157	**1.679** ± 1.112	0.384	**1.133** ± 0.289	0.410	**1.245** ± 0.145	0.013
plasmid_cp32-3	BB_S12		**2.075** ± 0.680	0.085	**1.953** ± 1.762	0.425	**0.983** ± 0.236	0.910	**0.987** ± 0.246	0.866
plasmid_cp32-3	BB_S13		**2.389** ± 0.823	0.077	**1.438** ± 0.879	0.437	**1.081** ± 0.477	0.606	**1.305** ± 0.408	0.142
plasmid_cp32-3	BB_S14		**1.926** ± 0.632	0.008	**1.672** ± 1.192	0.278	**1.257** ± 0.462	0.419	**1.114** ± 0.451	0.004
plasmid_cp32-3	BB_S15		**2.537** ± 0.704	0.020	**1.626** ± 1.146	0.367	**1.015** ± 0.232	0.875	**1.191** ± 0.280	0.005
plasmid_cp32-3	BB_S16		**1.792** ± 0.843	0.081	**1.602** ± 1.493	0.462	**0.929** ± 0.325	0.561	**0.991** ± 0.404	0.911
plasmid_cp32-3	BB_S17		**1.999** ± 1.127	0.057	**0.630** ± 0.291	0.350	**0.984** ± 0.465	0.909	**1.048** ± 0.539	0.426
plasmid_cp32-3	BB_S18		**2.258** ± 0.644	0.029	**1.968** ± 1.675	0.378	**1.077** ± 0.232	0.630	**1.240** ± 0.199	0.138
plasmid_cp32-3	BB_S19		**2.875** ± 1.135	0.080	**1.333** ± 1.141	0.641	**0.771** ± 0.117	0.122	**1.009** ± 0.244	0.945
plasmid_cp32-3	BB_S20		**1.491** ± 0.258	0.021	**1.016** ± 0.257	0.869	**0.895** ± 0.111	0.241	**1.098** ± 0.119	0.124
plasmid_cp32-3	BB_S21		**2.031** ± 1.011	0.013	**0.853** ± 0.454	0.397	**0.914** ± 0.453	0.426	**1.018** ± 0.537	0.935
plasmid_cp32-3	BB_S22		**1.799** ± 0.724	0.019	**1.361** ± 0.969	0.395	**0.973** ± 0.421	0.757	**1.130** ± 0.487	0.292
plasmid_cp32-3	BB_S23	*blyA*	**1.121** ± 0.458	0.180	**0.479** ± 0.344	0.289	**0.918** ± 0.363	0.419	**1.005** ± 0.441	0.881
plasmid_cp32-3	BB_S24	*blyB*	**2.624** ± 1.435	0.121	**1.556** ± 0.784	0.354	**0.988** ± 0.614	0.958	**0.872** ± 0.365	0.693
plasmid_cp32-3	BB_S25		**2.139** ± 1.231	0.107	**1.773** ± 1.557	0.352	**0.940** ± 0.425	0.659	**1.029** ± 0.431	0.685
plasmid_cp32-3	BB_S26		**1.546** ± 0.521	0.257	**1.087** ± 0.411	0.798	**1.035** ± 0.291	0.837	**1.186** ± 0.277	0.044
plasmid_cp32-3	BB_S27		**0.880** ± 0.794	0.811	**0.923** ± 0.776	0.792	**0.619** ± 0.531	0.266	**0.882** ± 0.947	0.867
plasmid_cp32-3	BB_S29	*bdrF*	**2.222** ± 0.955	0.047	**2.091** ± 1.492	0.201	**1.101** ± 0.426	0.256	**1.379** ± 0.627	0.208
plasmid_cp32-3	BB_S30	*mlpC*	**1.976** ± 1.661	0.076	**1.940** ± 1.939	0.178	**1.233** ± 0.839	0.504	**1.139** ± 0.809	0.660
plasmid_cp32-3	BB_S31		**2.509** ± 0.980	0.040	**1.646** ± 1.203	0.340	**0.991** ± 0.300	0.920	**1.139** ± 0.348	0.233
plasmid_cp32-3	BB_S38	*bppA*	**2.439** ± 1.368	0.117	**1.725** ± 1.399	0.356	**0.941** ± 0.295	0.584	**1.047** ± 0.383	0.036
plasmid_cp32-3	BB_S39	*bppB*	**2.956** ± 1.752	0.191	**2.625** ± 2.489	0.380	**1.130** ± 0.655	0.773	**1.223** ± 0.510	0.530
plasmid_cp32-3	BB_S40	*bppC*	**3.393** ± 2.159	0.107	**2.168** ± 2.277	0.381	**0.933** ± 0.477	0.225	**1.105** ± 0.483	0.268
plasmid_cp32-3	BB_S41	*erpG*	**0.849** ± 0.632	0.319	**0.804** ± 0.574	0.348	**1.013** ± 0.793	0.783	**1.029** ± 0.827	0.632
plasmid_cp32-3	BB_S44		**1.246** ± 0.724	0.170	**0.636** ± 0.368	0.434	**1.159** ± 0.700	0.131	**1.263** ± 0.892	0.076
plasmid_cp32-3	BB_S45		**1.432** ± 0.475	0.107	**1.027** ± 0.425	0.867	**0.845** ± 0.230	0.094	**0.938** ± 0.217	0.221
plasmid_cp32-4	BB_R01		**2.099** ± 0.708	0.063	**1.510** ± 1.005	0.405	**1.025** ± 0.219	0.245	**1.121** ± 0.301	0.233
plasmid_cp32-4	BB_R02		**3.761** ± 2.327	0.047	**2.510** ± 2.414	0.245	**1.092** ± 0.754	0.822	**1.200** ± 0.671	0.206
plasmid_cp32-4	BB_R03		**1.222** ± 0.602	0.057	**0.560** ± 0.417	0.405	**1.061** ± 0.570	0.406	**1.251** ± 0.662	0.046
plasmid_cp32-4	BB_R04		**3.762** ± 2.600	0.157	**0.880** ± 0.281	0.291	**1.066** ± 0.428	0.318	**1.196** ± 0.526	0.145
plasmid_cp32-4	BB_R05		**3.627** ± 2.181	0.172	**0.872** ± 1.013	0.786	**2.359** ± 1.332	0.167	**1.895** ± 1.521	0.346
plasmid_cp32-4	BB_R06		**2.334** ± 0.462	0.016	**1.306** ± 0.368	0.364	**0.994** ± 0.308	0.955	**1.020** ± 0.261	0.733
plasmid_cp32-4	BB_R07		**1.617** ± 0.522	0.138	**1.036** ± 0.666	0.900	**0.565** ± 0.208	0.161	**0.590** ± 0.206	0.113
plasmid_cp32-4	BB_R08		**2.022** ± 0.560	0.037	**1.152** ± 0.657	0.677	**0.848** ± 0.213	0.066	**1.043** ± 0.338	0.575
plasmid_cp32-4	BB_R09		**2.734** ± 1.195	0.062	**1.635** ± 1.127	0.321	**0.967** ± 0.301	0.195	**1.242** ± 0.411	0.041
plasmid_cp32-4	BB_R10		**3.460** ± 0.716	0.029	**1.874** ± 1.015	0.284	**0.957** ± 0.072	0.358	**1.091** ± 0.110	0.352
plasmid_cp32-4	BB_R11		**3.009** ± 1.223	0.024	**1.508** ± 1.348	0.464	**1.076** ± 0.361	0.479	**1.191** ± 0.418	0.157
plasmid_cp32-4	BB_R12		**2.127** ± 0.642	0.072	**1.961** ± 1.784	0.433	**0.995** ± 0.167	0.966	**0.950** ± 0.199	0.526
plasmid_cp32-4	BB_R13		**3.107** ± 0.799	0.044	**2.025** ± 1.176	0.249	**1.402** ± 0.795	0.437	**1.253** ± 0.300	0.185
plasmid_cp32-4	BB_R14		**1.928** ± 0.590	0.005	**1.670** ± 1.193	0.306	**1.269** ± 0.436	0.347	**1.134** ± 0.415	0.097
plasmid_cp32-4	BB_R15		**2.017** ± 0.655	0.014	**1.496** ± 1.185	0.438	**0.892** ± 0.309	0.433	**0.973** ± 0.335	0.055
plasmid_cp32-4	BB_R16		**2.999** ± 1.075	0.021	**1.631** ± 1.354	0.401	**0.886** ± 0.292	0.222	**1.095** ± 0.359	0.133
plasmid_cp32-4	BB_R17		**2.099** ± 1.191	0.052	**0.774** ± 0.346	0.270	**0.923** ± 0.465	0.508	**1.045** ± 0.544	0.273
plasmid_cp32-4	BB_R18		**2.298** ± 0.730	0.024	**2.019** ± 1.719	0.356	**1.031** ± 0.270	0.786	**1.216** ± 0.257	0.125
plasmid_cp32-4	BB_R19		**2.257** ± 0.294	0.021	**1.543** ± 0.505	0.229	**1.056** ± 0.245	0.678	**1.640** ± 0.511	0.149
plasmid_cp32-4	BB_R20		**2.369** ± 1.153	0.060	**0.900** ± 0.294	0.513	**1.028** ± 0.463	0.805	**1.061** ± 0.361	0.759
plasmid_cp32-4	BB_R21		**2.465** ± 1.290	0.066	**1.776** ± 1.679	0.395	**0.869** ± 0.371	0.119	**0.990** ± 0.413	0.906
plasmid_cp32-4	BB_R22		**2.860** ± 0.664	0.034	**1.449** ± 0.489	0.282	**1.146** ± 0.184	0.148	**1.102** ± 0.299	0.385

plasmid_cp32-4	BB_R23	*blyA*	**1.113**	± 0.439	0.288	**0.466**	± 0.343	0.284	**0.917**	± 0.383	0.422	**0.993**	± 0.449	0.876
plasmid_cp32-4	BB_R24	*blyB*	**2.679**	± 1.470	0.065	**1.576**	± 1.000	0.406	**0.991**	± 0.711	0.955	**0.941**	± 0.455	0.884
plasmid_cp32-4	BB_R25		**2.284**	± 1.132	0.083	**1.629**	± 1.412	0.416	**0.932**	± 0.388	0.587	**1.043**	± 0.400	0.523
plasmid_cp32-4	BB_R26		**1.023**	± 0.350	0.878	**0.652**	± 0.422	0.262	**1.027**	± 0.554	0.912	**1.088**	± 0.399	0.003
plasmid_cp32-4	BB_R28	*mlpD*	**2.920**	± 2.167	0.137	**1.941**	± 2.087	0.391	**0.957**	± 0.665	0.855	**0.980**	± 0.680	0.805
plasmid_cp32-4	BB_R29		**3.472**	± 1.171	0.027	**1.807**	± 1.272	0.383	**1.020**	± 0.251	0.893	**1.134**	± 0.319	0.621
plasmid_cp32-4	BB_R32		**2.056**	± 0.713	0.100	**1.101**	± 0.301	0.430	**0.885**	± 0.260	0.192	**1.108**	± 0.323	0.350
plasmid_cp32-4	BB_R35	*brdG*	**3.371**	± 0.544	0.014	**1.641**	± 0.932	0.333	**0.972**	± 0.098	0.164	**1.209**	± 0.190	0.218
plasmid_cp32-4	BB_R36	*bppA*	**1.800**	± 0.659	0.024	**1.028**	± 0.536	0.903	**0.705**	± 0.230	0.052	**0.923**	± 0.267	0.575
plasmid_cp32-4	BB_R37	*bppB*	**1.090**	± 0.262	0.372	**0.935**	± 0.281	0.716	**1.001**	± 0.248	0.993	**1.129**	± 0.269	0.348
plasmid_cp32-4	BB_R38	*bppC*	**3.378**	± 2.260	0.105	**2.088**	± 2.246	0.384	**0.991**	± 0.540	0.824	**1.106**	± 0.528	0.351
plasmid_cp32-4	BB_R41		**2.446**	± 1.107	0.039	**1.105**	± 0.587	0.274	**1.031**	± 0.484	0.254	**0.997**	± 0.419	0.960
plasmid_cp32-4	BB_R42	*erpY*	**2.939**	± 1.387	0.079	**1.445**	± 0.964	0.353	**0.847**	± 0.313	0.023	**1.036**	± 0.546	0.811
plasmid_cp32-4	BB_R43		**3.547**	± 0.460	0.003	**1.733**	± 0.963	0.320	**0.794**	± 0.560	0.641	**1.360**	± 0.230	0.156
plasmid_cp32-4	BB_R44		**2.895**	± 1.149	0.032	**1.561**	± 1.068	0.311	**0.891**	± 0.287	0.631	**1.117**	± 0.472	0.258
plasmid_cp32-4	BB_R45		**1.462**	± 0.555	0.062	**0.822**	± 0.239	0.112	**0.866**	± 0.296	0.077	**0.982**	± 0.326	0.677
plasmid_cp32-6	BB_M01		**2.067**	± 0.701	0.049	**1.517**	± 1.076	0.411	**0.998**	± 0.259	0.971	**1.102**	± 0.324	0.208
plasmid_cp32-6	BB_M02		**1.600**	± 0.444	0.106	**1.166**	± 0.658	0.671	**0.976**	± 0.114	0.166	**0.938**	± 0.133	0.579
plasmid_cp32-6	BB_M03		**1.380**	± 0.862	0.305	**0.915**	± 0.301	0.484	**0.792**	± 0.368	0.199	**1.029**	± 0.316	0.798
plasmid_cp32-6	BB_M04		**3.094**	± 0.725	0.023	**1.635**	± 0.875	0.284	**0.949**	± 0.433	0.878	**1.056**	± 0.180	0.639
plasmid_cp32-6	BB_M05		**1.306**	± 0.306	0.243	**0.849**	± 0.572	0.718	**1.537**	± 0.621	0.335	**1.438**	± 0.769	0.452
plasmid_cp32-6	BB_M06		**2.347**	± 0.510	0.015	**1.299**	± 0.382	0.379	**0.985**	± 0.333	0.865	**1.006**	± 0.283	0.855
plasmid_cp32-6	BB_M07		**1.718**	± 1.018	0.124	**1.390**	± 1.428	0.562	**0.899**	± 0.373	0.649	**0.840**	± 0.349	0.419
plasmid_cp32-6	BB_M08		**1.417**	± 0.445	0.121	**1.171**	± 0.546	0.523	**0.813**	± 0.155	0.068	**0.970**	± 0.157	0.696
plasmid_cp32-6	BB_M10		**1.218**	± 0.408	0.261	**0.695**	± 0.491	0.269	**0.975**	± 0.320	0.862	**1.032**	± 0.263	0.608
plasmid_cp32-6	BB_M11		**2.052**	± 0.880	0.104	**1.902**	± 1.665	0.410	**0.983**	± 0.224	0.830	**1.157**	± 0.324	0.180
plasmid_cp32-6	BB_M12		**2.097**	± 0.740	0.095	**1.944**	± 1.765	0.428	**0.992**	± 0.221	0.950	**0.972**	± 0.231	0.700
plasmid_cp32-6	BB_M13		**2.389**	± 0.863	0.059	**1.465**	± 0.949	0.368	**1.085**	± 0.543	0.703	**1.288**	± 0.468	0.259
plasmid_cp32-6	BB_M14		**2.532**	± 1.771	0.253	**2.433**	± 2.678	0.477	**1.924**	± 2.303	0.440	**2.183**	± 1.826	0.361
plasmid_cp32-6	BB_M15		**1.956**	± 0.623	0.019	**1.477**	± 1.140	0.443	**0.879**	± 0.299	0.225	**0.977**	± 0.337	0.519
plasmid_cp32-6	BB_M16		**1.759**	± 0.705	0.111	**1.540**	± 1.285	0.483	**0.929**	± 0.303	0.633	**1.041**	± 0.333	0.769
plasmid_cp32-6	BB_M17		**1.919**	± 1.166	0.044	**0.695**	± 0.328	0.402	**0.972**	± 0.524	0.847	**1.053**	± 0.589	0.555
plasmid_cp32-6	BB_M18		**2.278**	± 0.632	0.023	**2.075**	± 1.636	0.327	**1.157**	± 0.280	0.404	**1.275**	± 0.227	0.082
plasmid_cp32-6	BB_M19		**2.440**	± 0.554	0.026	**1.710**	± 0.681	0.158	**1.257**	± 0.535	0.557	**1.665**	± 0.592	0.214
plasmid_cp32-6	BB_M20		**1.964**	± 1.249	0.076	**0.831**	± 0.365	0.556	**1.098**	± 0.660	0.037	**1.083**	± 0.619	0.048
plasmid_cp32-6	BB_M21		**1.934**	± 0.957	0.023	**0.723**	± 0.335	0.187	**0.853**	± 0.414	0.214	**0.986**	± 0.521	0.937
plasmid_cp32-6	BB_M22		**1.801**	± 0.715	0.024	**1.543**	± 1.205	0.380	**0.969**	± 0.371	0.665	**1.039**	± 0.453	0.507
plasmid_cp32-6	BB_M23	*blyA*	**1.105**	± 0.433	0.208	**0.473**	± 0.343	0.282	**0.919**	± 0.359	0.411	**0.993**	± 0.427	0.841
plasmid_cp32-6	BB_M24	*blyB*	**1.730**	± 0.513	0.044	**1.815**	± 1.293	0.341	**0.738**	± 0.431	0.047	**0.912**	± 0.290	0.733
plasmid_cp32-6	BB_M25		**2.271**	± 1.185	0.095	**1.684**	± 1.494	0.407	**0.967**	± 0.400	0.764	**1.070**	± 0.418	0.406
plasmid_cp32-6	BB_M26		**1.680**	± 0.786	0.268	**0.885**	± 0.255	0.324	**0.782**	± 0.242	0.067	**0.845**	± 0.245	0.491
plasmid_cp32-6	BB_M27	*revA*	**1.520**	± 0.409	0.168	**1.162**	± 0.522	0.618	**0.736**	± 0.189	0.228	**0.925**	± 0.227	0.736
plasmid_cp32-6	BB_M28	*mlpF*	**1.457**	± 1.486	0.658	**1.258**	± 1.249	0.697	**0.537**	± 0.507	0.349	**0.989**	± 0.914	0.988
plasmid_cp32-6	BB_M29		**1.586**	± 0.792	0.110	**1.297**	± 0.838	0.393	**0.944**	± 0.315	0.695	**1.084**	± 0.402	0.092
plasmid_cp32-6	BB_M34	*bdrK*	**1.848**	± 1.465	0.261	**1.569**	± 1.622	0.487	**0.901**	± 0.431	0.721	**1.046**	± 0.397	0.834
plasmid_cp32-6	BB_M35	*bppA*	**1.780**	± 0.927	0.053	**1.254**	± 0.831	0.348	**1.023**	± 0.479	0.556	**1.039**	± 0.551	0.331
plasmid_cp32-6	BB_M36	*bppB*	**1.040**	± 0.286	0.707	**0.921**	± 0.227	0.564	**0.964**	± 0.253	0.675	**1.093**	± 0.280	0.413
plasmid_cp32-6	BB_M37	*bppC*	**1.900**	± 0.832	0.043	**1.524**	± 1.197	0.392	**0.840**	± 0.311	0.497	**1.083**	± 0.431	0.578
plasmid_cp32-6	BB_M38	*erpK*	**1.634**	± 0.580	0.092	**1.542**	± 1.192	0.383	**0.880**	± 0.259	0.621	**1.093**	± 0.630	0.704
plasmid_cp32-6	BB_M39		**1.745**	± 0.594	0.132	**1.554**	± 1.687	0.588	**0.684**	± 0.173	0.018	**0.902**	± 0.397	0.717
plasmid_cp32-6	BB_M41		**1.329**	± 0.776	0.054	**0.748**	± 0.368	0.404	**1.069**	± 0.596	0.454	**1.168**	± 0.763	0.084
plasmid_cp32-6	BB_M42		**1.641**	± 0.636	0.059	**1.250**	± 0.666	0.359	**1.028**	± 0.325	0.591	**0.995**	± 0.382	0.912
plasmid_cp32-7	BB_O01		**1.828**	± 0.456	0.052	**1.360**	± 0.775	0.455	**0.993**	± 0.180	0.867	**1.068**	± 0.222	0.397
plasmid_cp32-7	BB_O02		**1.796**	± 0.435	0.037	**1.083**	± 0.286	0.437	**1.015**	± 0.150	0.860	**1.046**	± 0.162	0.649
plasmid_cp32-7	BB_O03		**1.964**	± 0.631	0.106	**1.513**	± 0.766	0.355	**1.011**	± 0.370	0.967	**0.973**	± 0.110	0.790
plasmid_cp32-7	BB_O04		**1.856**	± 0.827	0.058	**1.666**	± 1.364	0.371	**1.024**	± 0.426	0.645	**1.377**	± 0.430	0.055
plasmid_cp32-7	BB_O05		**2.369**	± 0.950	0.039	**2.027**	± 1.870	0.379	**0.999**	± 0.438	0.996	**1.255**	± 0.459	0.267
plasmid_cp32-7	BB_O06		**2.273**	± 0.996	0.097	**1.747**	± 1.210	0.325	**0.828**	± 0.200	0.015	**1.123**	± 0.410	0.562
plasmid_cp32-7	BB_O07		**1.334**	± 0.560	0.467	**1.337**	± 1.326	0.717	**0.659**	± 0.401	0.471	**0.791**	± 0.376	0.608
plasmid_cp32-7	BB_O08		**1.392**	± 0.429	0.140	**1.100**	± 0.485	0.665	**0.785**	± 0.135	0.051	**0.933**	± 0.140	0.404
plasmid_cp32-7	BB_O10		**2.224**	± 0.621	0.007	**1.847**	± 1.110	0.364	**1.105**	± 0.521	0.711	**1.124**	± 0.660	0.718
plasmid_cp32-7	BB_O11		**2.002**	± 0.959	0.111	**1.837**	± 1.701	0.426	**0.963**	± 0.257	0.527	**1.119**	± 0.425	0.316
plasmid_cp32-7	BB_O12		**2.099**	± 0.459	0.039	**2.051**	± 1.593	0.357	**0.880**	± 0.153	0.316	**0.927**	± 0.062	0.271
plasmid_cp32-7	BB_O13		**1.913**	± 0.620	0.042	**0.486**	± 0.423	0.172	**0.451**	± 0.581	0.157	**0.924**	± 0.995	0.922

plasmid_cp32-7	BB_O15		**2.445**	± 2.037	0.128	**2.044**	± 1.697	0.135	**0.775**	± 0.539	0.237	**1.275**	± 0.733	0.536
plasmid_cp32-7	BB_O16		**3.068**	± 3.409	0.239	**2.235**	± 1.761	0.291	**0.672**	± 0.517	0.419	**1.500**	± 1.203	0.498
plasmid_cp32-7	BB_O17		**2.074**	± 1.176	0.059	**1.797**	± 1.712	0.365	**0.921**	± 0.488	0.392	**1.093**	± 0.562	0.346
plasmid_cp32-7	BB_O18		**2.053**	± 0.629	0.054	**1.938**	± 1.536	0.357	**1.017**	± 0.267	0.935	**1.085**	± 0.267	0.602
plasmid_cp32-7	BB_O19		**2.546**	± 1.402	0.204	**1.115**	± 0.861	0.849	**0.762**	± 0.080	0.082	**1.102**	± 0.196	0.556
plasmid_cp32-7	BB_O20		**1.706**	± 0.409	0.002	**1.248**	± 0.514	0.244	**0.911**	± 0.290	0.085	**0.992**	± 0.286	0.933
plasmid_cp32-7	BB_O21		**2.125**	± 1.043	0.032	**0.991**	± 0.675	0.964	**0.929**	± 0.424	0.407	**1.099**	± 0.513	0.670
plasmid_cp32-7	BB_O22		**1.691**	± 0.770	0.030	**1.207**	± 0.883	0.516	**0.912**	± 0.432	0.351	**1.047**	± 0.476	0.727
plasmid_cp32-7	BB_O23	*blyA*	**1.111**	± 0.438	0.260	**0.484**	± 0.348	0.294	**0.935**	± 0.357	0.546	**0.999**	± 0.434	0.971
plasmid_cp32-7	BB_O24	*blyB*	**3.000**	± 1.993	0.121	**2.530**	± 3.170	0.497	**0.968**	± 0.994	0.967	**0.765**	± 0.639	0.672
plasmid_cp32-7	BB_O25		**2.115**	± 1.074	0.117	**1.759**	± 1.493	0.389	**0.980**	± 0.428	0.873	**0.998**	± 0.248	0.979
plasmid_cp32-7	BB_O26		**1.430**	± 0.569	0.385	**1.103**	± 0.447	0.783	**0.948**	± 0.314	0.800	**1.170**	± 0.252	0.043
plasmid_cp32-7	BB_O27	*bdrN*	**2.190**	± 0.966	0.186	**1.722**	± 1.072	0.376	**0.841**	± 0.200	0.306	**1.283**	± 0.549	0.552
plasmid_cp32-7	BB_O29		**2.220**	± 1.015	0.058	**1.683**	± 1.310	0.338	**0.993**	± 0.382	0.900	**1.089**	± 0.401	0.098
plasmid_cp32-7	BB_O34	*bdrM*	**1.876**	± 0.525	0.045	**1.567**	± 0.911	0.401	**0.920**	± 0.273	0.701	**0.886**	± 0.383	0.713
plasmid_cp32-7	BB_O36	*bppA*	**2.344**	± 1.174	0.087	**1.749**	± 1.362	0.331	**0.916**	± 0.296	0.384	**1.077**	± 0.381	0.109
plasmid_cp32-7	BB_O37	*bppB*	**2.465**	± 0.996	0.089	**1.454**	± 1.035	0.470	**1.276**	± 0.471	0.299	**1.230**	± 0.434	0.334
plasmid_cp32-7	BB_O38	*bppC*	**1.881**	± 0.902	0.034	**1.572**	± 1.308	0.369	**0.867**	± 0.344	0.508	**1.143**	± 0.516	0.374
plasmid_cp32-7	BB_O39	*erpL*	**0.699**	± 0.875	0.312	**2.067**	± 3.184	0.545	**1.242**	± 1.277	0.610	**0.747**	± 0.868	0.265
plasmid_cp32-7	BB_O40	*erpM*	**1.590**	± 0.408	0.111	**1.656**	± 1.499	0.526	**0.826**	± 0.244	0.088	**0.744**	± 0.228	0.357
plasmid_cp32-7	BB_O41		**2.063**	± 1.139	0.088	**2.102**	± 1.568	0.208	**0.801**	± 0.304	0.389	**1.359**	± 0.528	0.329
plasmid_cp32-7	BB_O42		**1.929**	± 0.642	0.094	**1.811**	± 1.415	0.399	**0.844**	± 0.286	0.300	**1.052**	± 0.365	0.804
plasmid_cp32-7	BB_O43		**1.487**	± 0.931	0.144	**0.988**	± 0.658	0.919	**0.867**	± 0.400	0.327	**0.969**	± 0.487	0.583
plasmid_cp32-7	BB_O44		**1.682**	± 1.084	0.099	**1.341**	± 0.982	0.273	**0.902**	± 0.447	0.516	**0.969**	± 0.498	0.786
plasmid_cp32-8	BB_L01		**2.069**	± 0.712	0.054	**1.507**	± 1.052	0.411	**0.977**	± 0.236	0.531	**1.079**	± 0.319	0.301
plasmid_cp32-8	BB_L02		**1.840**	± 0.576	0.036	**1.085**	± 0.467	0.647	**1.014**	± 0.245	0.723	**0.991**	± 0.263	0.956
plasmid_cp32-8	BB_L03		**1.940**	± 0.631	0.111	**1.496**	± 0.781	0.379	**0.972**	± 0.378	0.916	**0.940**	± 0.141	0.648
plasmid_cp32-8	BB_L04		**1.464**	± 0.777	0.005	**1.101**	± 0.596	0.337	**1.098**	± 0.567	0.329	**1.274**	± 0.738	0.052
plasmid_cp32-8	BB_L05		**2.482**	± 1.004	0.051	**2.146**	± 1.818	0.324	**1.025**	± 0.420	0.799	**1.352**	± 0.413	0.013
plasmid_cp32-8	BB_L06		**2.310**	± 1.155	0.136	**1.687**	± 1.518	0.462	**0.850**	± 0.298	0.270	**1.103**	± 0.333	0.515
plasmid_cp32-8	BB_L07		**1.307**	± 0.604	0.504	**1.477**	± 1.476	0.621	**0.660**	± 0.279	0.313	**0.740**	± 0.307	0.447
plasmid_cp32-8	BB_L08		**0.566**	± 0.171	0.142	**0.492**	± 0.310	0.210	**1.152**	± 0.399	0.054	**1.071**	± 0.428	0.406
plasmid_cp32-8	BB_L09		**2.818**	± 1.182	0.059	**1.633**	± 1.169	0.356	**0.994**	± 0.281	0.776	**1.244**	± 0.419	0.066
plasmid_cp32-8	BB_L10		**1.327**	± 0.254	0.027	**0.829**	± 0.171	0.203	**0.869**	± 0.170	0.057	**1.050**	± 0.158	0.252
plasmid_cp32-8	BB_L11		**2.134**	± 0.794	0.099	**1.649**	± 1.092	0.372	**1.202**	± 0.416	0.409	**1.171**	± 0.229	0.188
plasmid_cp32-8	BB_L12		**2.156**	± 0.738	0.080	**2.008**	± 1.835	0.413	**0.993**	± 0.248	0.959	**1.014**	± 0.282	0.850
plasmid_cp32-8	BB_L13		**2.344**	± 0.667	0.034	**1.437**	± 0.952	0.421	**1.049**	± 0.494	0.834	**1.188**	± 0.345	0.423
plasmid_cp32-8	BB_L14		**1.948**	± 0.617	0.005	**1.756**	± 1.294	0.301	**1.365**	± 0.476	0.272	**1.214**	± 0.436	0.016
plasmid_cp32-8	BB_L15		**1.984**	± 0.669	0.025	**1.479**	± 1.155	0.445	**0.899**	± 0.295	0.382	**0.946**	± 0.300	0.079
plasmid_cp32-8	BB_L16		**1.768**	± 0.662	0.083	**1.579**	± 1.271	0.447	**0.869**	± 0.236	0.372	**1.065**	± 0.327	0.686
plasmid_cp32-8	BB_L17		**1.963**	± 1.119	0.057	**0.653**	± 0.294	0.362	**0.960**	± 0.463	0.759	**1.045**	± 0.536	0.445
plasmid_cp32-8	BB_L18		**2.139**	± 0.618	0.025	**1.890**	± 1.544	0.375	**1.032**	± 0.221	0.830	**1.236**	± 0.221	0.144
plasmid_cp32-8	BB_L19		**2.660**	± 1.503	0.113	**1.258**	± 0.752	0.491	**0.825**	± 0.407	0.667	**0.998**	± 0.420	0.992
plasmid_cp32-8	BB_L20		**1.491**	± 0.235	0.010	**0.995**	± 0.240	0.957	**0.891**	± 0.105	0.212	**1.106**	± 0.121	0.169
plasmid_cp32-8	BB_L21		**2.029**	± 0.959	0.014	**0.877**	± 0.481	0.329	**0.921**	± 0.414	0.455	**1.036**	± 0.517	0.846
plasmid_cp32-8	BB_L22		**1.716**	± 0.768	0.025	**1.205**	± 0.893	0.530	**0.939**	± 0.434	0.417	**1.046**	± 0.458	0.661
plasmid_cp32-8	BB_L23	*blyA*	**1.127**	± 0.469	0.177	**0.476**	± 0.350	0.294	**0.908**	± 0.367	0.409	**0.985**	± 0.442	0.711
plasmid_cp32-8	BB_L24	*blyB*	**2.620**	± 1.256	0.089	**1.580**	± 0.872	0.408	**0.998**	± 0.617	0.993	**0.913**	± 0.293	0.733
plasmid_cp32-8	BB_L25		**2.374**	± 1.313	0.085	**1.678**	± 1.438	0.363	**0.979**	± 0.462	0.896	**1.013**	± 0.413	0.895
plasmid_cp32-8	BB_L26		**1.485**	± 0.449	0.257	**1.002**	± 0.393	0.995	**1.006**	± 0.353	0.978	**1.191**	± 0.347	0.036
plasmid_cp32-8	BB_L29		**2.769**	± 1.467	0.075	**1.944**	± 1.588	0.297	**1.060**	± 0.437	0.311	**1.175**	± 0.475	0.021
plasmid_cp32-8	BB_L35	*bdrO*	**3.020**	± 1.977	0.134	**2.049**	± 2.060	0.386	**0.781**	± 0.328	0.105	**1.129**	± 0.357	0.525
plasmid_cp32-8	BB_L36	*bppA*	**2.524**	± 1.391	0.086	**1.840**	± 1.481	0.300	**0.946**	± 0.345	0.640	**1.113**	± 0.422	0.156
plasmid_cp32-8	BB_L37	*bppB*	**2.377**	± 0.963	0.092	**1.435**	± 1.021	0.479	**1.232**	± 0.431	0.340	**1.193**	± 0.452	0.422
plasmid_cp32-8	BB_L38	*bppC*	**2.544**	± 1.668	0.132	**0.943**	± 0.507	0.877	**0.707**	± 0.378	0.471	**0.938**	± 0.741	0.784
plasmid_cp32-8	BB_L39	*erpN*	**2.847**	± 1.187	0.090	**1.892**	± 1.255	0.300	**1.005**	± 0.209	0.963	**1.077**	± 0.169	0.030
plasmid_cp32-8	BB_L40	*erpO*	**2.015**	± 0.145	0.000	**1.692**	± 0.867	0.273	**1.123**	± 0.160	0.294	**1.227**	± 0.275	0.326
plasmid_cp32-8	BB_L41		**2.697**	± 1.324	0.132	**2.063**	± 1.850	0.399	**0.926**	± 0.381	0.785	**1.481**	± 0.582	0.205
plasmid_cp32-8	BB_L42		**2.872**	± 2.762	0.163	**2.280**	± 3.106	0.411	**0.809**	± 0.690	0.244	**0.963**	± 0.788	0.619
plasmid_cp32-8	BB_L43		**2.285**	± 0.675	0.029	**1.692**	± 1.238	0.367	**0.910**	± 0.171	0.354	**1.065**	± 0.285	0.374
plasmid_cp32-9	BB_N01		**2.113**	± 0.626	0.054	**1.632**	± 1.176	0.407	**0.999**	± 0.115	0.992	**1.123**	± 0.230	0.121
plasmid_cp32-9	BB_N02		**1.552**	± 0.493	0.241	**1.126**	± 0.313	0.303	**0.901**	± 0.529	0.743	**0.832**	± 0.157	0.013
plasmid_cp32-9	BB_N03		**1.393**	± 0.875	0.213	**0.939**	± 0.359	0.720	**0.825**	± 0.418	0.230	**1.085**	± 0.385	0.675
plasmid_cp32-9	BB_N04		**2.632**	± 1.917	0.226	**1.389**	± 0.905	0.409	**0.957**	± 0.430	0.710	**0.872**	± 0.191	0.309

plasmid_cp32-9	BB_N05		**1.291** ± 0.267	0.256	**0.695** ± 0.457	0.356	**1.518** ± 0.341	0.123	**1.149** ± 0.792	0.767
plasmid_cp32-9	BB_N06		**2.362** ± 0.518	0.016	**1.343** ± 0.401	0.336	**0.990** ± 0.313	0.901	**1.033** ± 0.290	0.369
plasmid_cp32-9	BB_N07		**0.615** ± 0.413	0.418	**0.822** ± 0.515	0.573	**0.854** ± 0.481	0.707	**0.922** ± 0.542	0.875
plasmid_cp32-9	BB_N08		**1.753** ± 0.592	0.056	**1.127** ± 0.688	0.709	**0.885** ± 0.301	0.006	**1.138** ± 0.463	0.298
plasmid_cp32-9	BB_N09		**2.037** ± 1.019	0.211	**1.219** ± 0.935	0.713	**0.574** ± 0.120	0.010	**0.900** ± 0.355	0.635
plasmid_cp32-9	BB_N10		**2.955** ± 1.137	0.047	**1.789** ± 1.417	0.362	**0.867** ± 0.257	0.275	**1.062** ± 0.312	0.071
plasmid_cp32-9	BB_N11		**2.185** ± 1.049	0.005	**1.172** ± 0.953	0.532	**0.920** ± 0.464	0.596	**1.102** ± 0.493	0.552
plasmid_cp32-9	BB_N12		**2.050** ± 0.690	0.082	**1.997** ± 1.818	0.415	**0.953** ± 0.203	0.654	**0.965** ± 0.266	0.654
plasmid_cp32-9	BB_N13		**2.945** ± 0.931	0.065	**2.021** ± 1.279	0.301	**1.469** ± 0.599	0.323	**1.210** ± 0.345	0.412
plasmid_cp32-9	BB_N14		**1.870** ± 0.501	0.003	**1.724** ± 1.176	0.276	**1.293** ± 0.472	0.399	**1.125** ± 0.374	0.007
plasmid_cp32-9	BB_N15		**1.812** ± 0.532	0.018	**1.425** ± 1.031	0.452	**0.887** ± 0.208	0.286	**0.984** ± 0.306	0.588
plasmid_cp32-9	BB_N16		**3.061** ± 1.776	0.088	**1.595** ± 1.316	0.364	**0.861** ± 0.515	0.192	**1.054** ± 0.445	0.310
plasmid_cp32-9	BB_N17		**1.879** ± 1.106	0.034	**0.579** ± 0.298	0.337	**0.979** ± 0.525	0.882	**1.026** ± 0.579	0.686
plasmid_cp32-9	BB_N18		**2.670** ± 2.667	0.113	**2.613** ± 3.519	0.333	**1.156** ± 0.987	0.387	**1.141** ± 0.978	0.474
plasmid_cp32-9	BB_N19		**1.842** ± 0.056	0.001	**1.455** ± 0.485	0.251	**1.031** ± 0.315	0.885	**1.604** ± 0.678	0.267
plasmid_cp32-9	BB_N20		**1.706** ± 0.570	0.005	**0.787** ± 0.233	0.410	**0.943** ± 0.406	0.318	**1.014** ± 0.320	0.847
plasmid_cp32-9	BB_N21		**1.874** ± 1.129	0.023	**0.726** ± 0.388	0.317	**0.818** ± 0.463	0.324	**0.913** ± 0.559	0.698
plasmid_cp32-9	BB_N23	*blyA*	**1.727** ± 1.107	0.039	**1.634** ± 1.595	0.328	**1.011** ± 0.604	0.959	**1.176** ± 0.795	0.129
plasmid_cp32-9	BB_N24	*blyB*	**2.359** ± 1.447	0.098	**1.476** ± 0.951	0.480	**0.936** ± 0.586	0.519	**0.845** ± 0.392	0.693
plasmid_cp32-9	BB_N25		**2.141** ± 1.160	0.100	**1.701** ± 1.511	0.394	**0.951** ± 0.413	0.710	**1.069** ± 0.447	0.466
plasmid_cp32-9	BB_N26		**1.308** ± 0.489	0.206	**0.793** ± 0.329	0.426	**0.946** ± 0.306	0.836	**0.838** ± 0.250	0.401
plasmid_cp32-9	BB_N29		**2.149** ± 0.740	0.073	**1.761** ± 1.302	0.374	**1.004** ± 0.309	0.970	**1.059** ± 0.239	0.384
plasmid_cp32-9	BB_N34	*bdrQ*	**1.692** ± 1.330	0.322	**1.089** ± 0.590	0.515	**0.844** ± 0.565	0.288	**0.748** ± 0.542	0.214
plasmid_cp32-9	BB_N35	*bppA*	**1.367** ± 0.583	0.015	**1.031** ± 0.581	0.810	**0.942** ± 0.365	0.636	**1.134** ± 0.490	0.035
plasmid_cp32-9	BB_N36	*bppB*	**1.107** ± 0.313	0.399	**0.828** ± 0.302	0.489	**1.051** ± 0.306	0.383	**1.117** ± 0.353	0.241
plasmid_cp32-9	BB_N38	*erpP*	**2.648** ± 2.321	0.092	**2.280** ± 2.879	0.354	**1.185** ± 1.001	0.355	**1.213** ± 0.921	0.260
plasmid_cp32-9	BB_N39	*erpQ*	**2.935** ± 1.200	0.116	**3.241** ± 2.294	0.228	**1.730** ± 0.965	0.304	**2.023** ± 1.006	0.196
plasmid_cp32-9	BB_N41		**1.900** ± 0.990	0.028	**1.896** ± 1.561	0.262	**0.893** ± 0.404	0.469	**0.809** ± 0.320	0.436
plasmid_cp32-9	BB_N42		**1.979** ± 1.184	0.037	**1.524** ± 1.442	0.267	**0.624** ± 0.386	0.349	**1.006** ± 0.693	0.984
plasmid_cp32-9	BB_N43		**1.420** ± 0.523	0.084	**0.988** ± 0.452	0.924	**0.851** ± 0.243	0.086	**0.942** ± 0.260	0.179
plasmid_cp9	BBC02		**1.803** ± 1.272	0.168	**0.888** ± 0.695	0.158	**1.700** ± 1.092	0.155	**1.579** ± 0.861	0.140
plasmid_cp9	BBC03		**0.729** ± 0.203	0.228	**0.412** ± 0.353	0.155	**0.961** ± 0.179	0.811	**1.026** ± 0.224	0.785
plasmid_cp9	BBC05		**0.936** ± 0.502	0.204	**0.737** ± 0.500	0.019	**0.922** ± 0.517	0.047	**1.053** ± 0.480	0.538
plasmid_cp9	BBC06		**1.729** ± 0.913	0.032	**1.095** ± 0.676	0.618	**0.920** ± 0.586	0.642	**0.685** ± 0.399	0.215
plasmid_cp9	BBC07		**0.981** ± 0.751	0.942	**0.862** ± 0.749	0.614	**1.239** ± 0.627	0.227	**1.192** ± 0.611	0.525
plasmid_cp9	BBC08		**1.622** ± 0.552	0.069	**0.922** ± 0.248	0.184	**0.951** ± 0.205	0.673	**1.150** ± 0.420	0.425
plasmid_cp9	BBC10		**1.568** ± 0.613	0.003	**0.839** ± 0.362	0.267	**0.999** ± 0.424	0.986	**1.271** ± 0.463	0.187
plasmid_cp9	BBC11		**1.432** ± 0.454	0.097	**0.727** ± 0.292	0.041	**0.889** ± 0.391	0.109	**1.123** ± 0.590	0.597
plasmid_cp9	BBC12		**0.879** ± 0.239	0.363	**0.524** ± 0.418	0.175	**0.933** ± 0.182	0.580	**0.999** ± 0.152	0.980
plasmid_lp17	BB_D0027		**1.216** ± 0.973	0.197	**1.101** ± 0.835	0.640	**0.739** ± 0.544	0.353	**0.846** ± 0.675	0.318
plasmid_lp17	BB_D0031		**2.038** ± 2.005	0.310	**2.601** ± 3.010	0.353	**0.892** ± 0.462	0.563	**0.978** ± 0.568	0.790
plasmid_lp17	BB_D01		**2.269** ± 1.041	0.178	**2.397** ± 2.173	0.390	**0.964** ± 0.289	0.880	**1.114** ± 0.368	0.630
plasmid_lp17	BB_D03		**1.852** ± 0.410	0.052	**1.363** ± 0.280	0.133	**1.059** ± 0.237	0.774	**1.391** ± 0.152	0.041
plasmid_lp17	BB_D04		**2.490** ± 2.446	0.298	**1.766** ± 1.968	0.440	**1.049** ± 0.687	0.919	**0.971** ± 0.569	0.935
plasmid_lp17	BB_D05a		**1.589** ± 0.608	0.017	**1.583** ± 0.902	0.180	**1.056** ± 0.352	0.513	**0.984** ± 0.355	0.758
plasmid_lp17	BB_D09		**1.253** ± 0.844	0.118	**0.630** ± 0.433	0.498	**0.993** ± 0.551	0.968	**1.031** ± 0.693	0.451
plasmid_lp17	BB_D10		**1.739** ± 1.102	0.175	**1.357** ± 1.014	0.659	**0.792** ± 0.285	0.413	**1.002** ± 0.702	0.998
plasmid_lp17	BB_D15		**1.767** ± 0.706	0.113	**1.692** ± 0.964	0.268	**1.028** ± 0.399	0.922	**1.203** ± 0.501	0.381
plasmid_lp17	BB_D20		**1.220** ± 0.653	0.240	**1.003** ± 0.437	0.983	**0.916** ± 0.380	0.652	**1.204** ± 0.633	0.074
plasmid_lp17	BB_D23		**1.178** ± 0.952	0.333	**0.695** ± 0.407	0.535	**0.905** ± 0.626	0.499	**0.945** ± 0.668	0.760
plasmid_lp17	BB_D24		**2.124** ± 1.771	0.062	**1.572** ± 2.080	0.506	**1.075** ± 0.887	0.858	**1.105** ± 0.812	0.553
plasmid_lp21	BB_U01		**1.899** ± 1.686	0.131	**1.906** ± 2.602	0.438	**0.813** ± 0.641	0.450	**1.084** ± 1.043	0.540
plasmid_lp21	BB_U02		**2.280** ± 0.950	0.086	**1.245** ± 0.565	0.346	**1.169** ± 0.248	0.132	**1.073** ± 0.264	0.024
plasmid_lp21	BB_U05		**2.281** ± 1.921	0.086	**2.096** ± 2.193	0.239	**1.457** ± 1.171	0.014	**0.996** ± 0.815	0.989
plasmid_lp21	BB_U06		**3.861** ± 3.551	0.219	**1.537** ± 1.961	0.729	**1.011** ± 0.904	0.988	**1.892** ± 2.214	0.318
plasmid_lp21	BB_U08		**3.364** ± 2.497	0.088	**1.534** ± 1.454	0.324	**1.100** ± 0.755	0.692	**1.330** ± 1.363	0.480
plasmid_lp21	BB_U09		**2.430** ± 1.011	0.137	**1.933** ± 1.257	0.366	**1.332** ± 0.565	0.169	**0.863** ± 0.345	0.682
plasmid_lp21	BB_U10		**3.415** ± 3.047	0.162	**1.721** ± 1.001	0.008	**1.134** ± 0.761	0.314	**1.438** ± 0.849	0.062
plasmid_lp21	BB_U11		**3.354** ± 1.357	0.075	**1.509** ± 0.739	0.399	**1.075** ± 0.347	0.771	**1.039** ± 0.360	0.886
plasmid_lp21	BB_U12		**1.601** ± 0.300	0.096	**1.330** ± 0.368	0.265	**1.034** ± 0.285	0.859	**0.943** ± 0.168	0.703
plasmid_lp25	BB_E02		**2.672** ± 1.235	0.018	**2.284** ± 1.503	0.138	**0.957** ± 0.388	0.771	**1.052** ± 0.490	0.435
plasmid_lp25	BB_E05		**2.272** ± 2.006	0.052	**1.436** ± 1.245	0.491	**0.694** ± 0.686	0.438	**0.791** ± 0.750	0.769
plasmid_lp25	BB_E09		**2.179** ± 1.064	0.162	**2.159** ± 1.580	0.304	**1.060** ± 0.230	0.185	**1.167** ± 0.309	0.290
plasmid_lp25	BB_E16		**3.003** ± 0.810	0.030	**2.210** ± 1.484	0.275	**1.030** ± 0.196	0.763	**1.330** ± 0.518	0.247

plasmid_lp25	BB_E17	**0.566**	± 0.902	0.098	**1.106**	± 1.812	0.930	**1.167**	± 1.000	0.667	**0.178**	± 0.246	0.214
plasmid_lp25	BB_E18	**2.223**	± 1.725	0.027	**0.899**	± 0.611	0.781	**0.913**	± 0.827	0.443	**1.182**	± 1.098	0.106
plasmid_lp25	BB_E22	**3.626**	± 1.230	0.056	**1.857**	± 1.214	0.307	**1.278**	± 0.395	0.432	**1.114**	± 0.299	0.428
plasmid_lp25	BB_E29	**1.210**	± 0.807	0.356	**0.684**	± 0.590	0.648	**1.052**	± 0.868	0.225	**1.243**	± 1.160	0.246
plasmid_lp25	BB_E29a	**1.082**	± 0.483	0.841	**0.891**	± 0.464	0.807	**1.081**	± 0.429	0.766	**0.942**	± 0.496	0.897
plasmid_lp28-1	BB_F001	**1.494**	± 0.417	0.003	**2.026**	± 0.902	0.139	**0.997**	± 0.360	0.958	**1.379**	± 0.458	0.022
plasmid_lp28-1	BB_F0034	**1.577**	± 0.916	0.326	**2.766**	± 3.313	0.436	**1.075**	± 0.404	0.647	**1.136**	± 0.660	0.698
plasmid_lp28-1	BB_F02	**2.479**	± 0.749	0.035	**2.024**	± 1.536	0.302	**1.266**	± 0.461	0.483	**1.616**	± 0.625	0.168
plasmid_lp28-1	BB_F03	**1.408**	± 1.111	0.436	**1.093**	± 0.458	0.799	**1.141**	± 0.596	0.316	**1.262**	± 0.947	0.508
plasmid_lp28-1	BB_F05	**1.030**	± 0.684	0.664	**2.583**	± 1.977	0.153	**1.099**	± 0.478	0.690	**1.231**	± 0.801	0.263
plasmid_lp28-1	BB_F08	**1.115**	± 0.624	0.677	**2.095**	± 1.670	0.321	**0.932**	± 0.377	0.541	**1.208**	± 0.296	0.005
plasmid_lp28-1	BB_F10	**1.234**	± 0.566	0.113	**1.666**	± 1.381	0.367	**0.815**	± 0.272	0.212	**1.006**	± 0.344	0.967
plasmid_lp28-1	BB_F12	**0.952**	± 1.577	0.808	**2.088**	± 3.214	0.220	**0.940**	± 1.220	0.939	**1.208**	± 1.574	0.593
plasmid_lp28-1	BB_F13	**1.371**	± 0.572	0.019	**1.764**	± 1.197	0.189	**0.980**	± 0.431	0.909	**1.240**	± 0.741	0.252
plasmid_lp28-1	BB_F14	**2.241**	± 1.254	0.028	**7.008**	± 4.389	0.062	**1.122**	± 1.166	0.895	**2.822**	± 1.491	0.030
plasmid_lp28-1	BB_F16	**1.333**	± 0.334	0.248	**1.697**	± 1.408	0.487	**0.917**	± 0.127	0.496	**1.216**	± 0.428	0.519
plasmid_lp28-1	BB_F17	**1.155**	± 0.440	0.119	**1.794**	± 1.174	0.248	**0.881**	± 0.242	0.261	**1.100**	± 0.425	0.206
plasmid_lp28-1	BB_F18	**1.510**	± 1.023	0.260	**2.202**	± 2.049	0.318	**1.005**	± 0.583	0.959	**0.985**	± 0.493	0.909
plasmid_lp28-1	BB_F19	**1.252**	± 0.668	0.208	**1.837**	± 1.517	0.307	**1.050**	± 0.407	0.586	**1.303**	± 0.644	0.077
plasmid_lp28-1	BB_F19a	**1.100**	± 0.513	0.765	**1.425**	± 0.672	0.335	**0.930**	± 0.531	0.621	**1.127**	± 0.428	0.684
plasmid_lp28-1	BB_F20	**0.977**	± 0.251	0.897	**1.314**	± 1.180	0.618	**1.046**	± 0.406	0.804	**0.715**	± 0.417	0.148
plasmid_lp28-1	BB_F26a	**0.070**	± 0.091	0.192	**0.043**	± 0.071	0.176	**0.224**	± 0.388	0.087	**0.389**	± 0.562	0.434
plasmid_lp28-1	BB_F30	**1.015**	± 0.358	0.951	**2.568**	± 0.926	0.009	**0.780**	± 0.330	0.529	**1.435**	± 0.506	0.255
plasmid_lp28-1	BB_F32	**0.791**	± 0.379	0.197	**0.899**	± 0.351	0.718	**0.939**	± 0.431	0.563	**1.139**	± 0.599	0.435
plasmid_lp28-2	BB_G01	**1.792**	± 1.316	0.113	**2.039**	± 1.835	0.240	**0.881**	± 0.456	0.675	**1.211**	± 0.657	0.401
plasmid_lp28-2	BB_G02	**1.700**	± 0.849	0.013	**0.819**	± 0.427	0.686	**1.102**	± 0.586	0.260	**1.249**	± 0.826	0.169
plasmid_lp28-2	BB_G03	**2.230**	± 1.788	0.239	**1.917**	± 2.081	0.412	**0.679**	± 0.463	0.159	**0.916**	± 0.642	0.782
plasmid_lp28-2	BB_G05	**2.792**	± 1.045	0.040	**2.027**	± 1.587	0.308	**0.921**	± 0.232	0.356	**1.065**	± 0.354	0.401
plasmid_lp28-2	BB_G10	**1.966**	± 0.716	0.026	**1.683**	± 0.971	0.192	**0.736**	± 0.199	0.153	**1.033**	± 0.328	0.547
plasmid_lp28-2	BB_G12	**1.044**	± 1.235	0.950	**1.160**	± 1.084	0.585	**0.596**	± 0.674	0.611	**1.010**	± 1.001	0.989
plasmid_lp28-2	BB_G13	**2.241**	± 1.331	0.103	**1.449**	± 0.878	0.269	**1.045**	± 0.690	0.916	**1.265**	± 0.791	0.480
plasmid_lp28-2	BB_G14	**2.180**	± 1.876	0.111	**2.268**	± 2.336	0.214	**0.807**	± 0.518	0.691	**1.244**	± 0.849	0.428
plasmid_lp28-2	BB_G15	**2.090**	± 0.436	0.004	**1.527**	± 1.145	0.427	**0.868**	± 0.260	0.428	**0.960**	± 0.392	0.810
plasmid_lp28-2	BB_G16	**1.899**	± 0.510	0.072	**1.328**	± 0.715	0.324	**0.821**	± 0.424	0.364	**0.959**	± 0.335	0.893
plasmid_lp28-2	BB_G17	**1.746**	± 0.618	0.151	**1.846**	± 1.440	0.405	**0.658**	± 0.596	0.399	**0.590**	± 0.614	0.353
plasmid_lp28-2	BB_G18	**2.213**	± 1.564	0.032	**1.423**	± 1.353	0.293	**0.956**	± 0.727	0.831	**0.918**	± 0.899	0.457
plasmid_lp28-2	BB_G20	**1.961**	± 1.428	0.029	**2.209**	± 2.235	0.239	**0.782**	± 0.510	0.478	**1.029**	± 0.678	0.863
plasmid_lp28-2	BB_G21	**1.942**	± 1.434	0.187	**2.044**	± 1.944	0.324	**0.748**	± 0.311	0.456	**0.802**	± 0.637	0.356
plasmid_lp28-2	BB_G22	**2.657**	± 1.216	0.026	**1.550**	± 0.943	0.166	**0.873**	± 0.300	0.560	**1.047**	± 0.448	0.345
plasmid_lp28-2	BB_G23	**1.725**	± 0.808	0.014	**1.375**	± 1.082	0.391	**0.669**	± 0.346	0.134	**0.841**	± 0.434	0.221
plasmid_lp28-2	BB_G24	**0.848**	± 0.272	0.503	**0.706**	± 0.275	0.357	**0.914**	± 0.480	0.181	**1.031**	± 0.528	0.693
plasmid_lp28-2	BB_G25	**1.876**	± 0.735	0.044	**1.253**	± 0.589	0.135	**0.838**	± 0.377	0.670	**1.092**	± 0.430	0.180
plasmid_lp28-2	BB_G27	**2.430**	± 0.963	0.042	**1.538**	± 1.173	0.319	**1.070**	± 0.415	0.548	**1.152**	± 0.498	0.394
plasmid_lp28-2	BB_G28	**3.000**	± 3.746	0.238	**2.202**	± 1.972	0.009	**1.210**	± 1.529	0.397	**1.621**	± 2.322	0.424
plasmid_lp28-2	BB_G29	**2.380**	± 0.623	0.062	**1.749**	± 0.967	0.310	**0.999**	± 0.049	0.989	**1.079**	± 0.151	0.483
plasmid_lp28-2	BB_G30	**2.446**	± 2.105	0.202	**3.776**	± 5.402	0.384	**1.183**	± 1.507	0.711	**1.412**	± 1.161	0.341
plasmid_lp28-2	BB_G31	**2.199**	± 2.318	0.219	**2.112**	± 2.789	0.135	**0.713**	± 0.785	0.630	**1.612**	± 1.745	0.411
plasmid_lp28-2	BB_G32	**1.529**	± 0.924	0.071	**0.804**	± 0.407	0.652	**0.861**	± 0.378	0.548	**1.024**	± 0.806	0.900
plasmid_lp28-2	BB_G34	**2.715**	± 1.610	0.060	**2.311**	± 2.046	0.223	**0.936**	± 0.641	0.061	**1.540**	± 0.918	0.101
plasmid_lp28-3	BB_H02	**2.212**	± 1.115	0.198	**2.359**	± 1.983	0.358	**1.022**	± 0.315	0.931	**1.069**	± 0.357	0.700
plasmid_lp28-3	BB_H04	**2.001**	± 0.869	0.174	**1.578**	± 0.741	0.120	**1.642**	± 0.562	0.213	**1.514**	± 0.902	0.324
plasmid_lp28-3	BB_H05	**2.210**	± 1.363	0.150	**1.651**	± 1.111	0.288	**0.850**	± 0.278	0.346	**1.112**	± 0.672	0.817
plasmid_lp28-3	BB_H06	**1.650**	± 1.224	0.123	**1.547**	± 1.271	0.240	**0.990**	± 0.584	0.959	**1.215**	± 0.782	0.214
plasmid_lp28-3	BB_H07	**1.245**	± 0.116	0.019	**2.062**	± 1.107	0.245	**0.965**	± 0.313	0.864	**0.946**	± 0.104	0.569
plasmid_lp28-3	BB_H09	**1.128**	± 0.405	0.473	**1.145**	± 0.539	0.584	**0.940**	± 0.217	0.496	**1.080**	± 0.361	0.521
plasmid_lp28-3	BB_H09a	**1.426**	± 0.493	0.293	**1.909**	± 1.435	0.370	**0.838**	± 0.283	0.551	**1.449**	± 0.586	0.312
plasmid_lp28-3	BB_H13	**2.171**	± 0.923	0.099	**2.866**	± 1.792	0.177	**0.806**	± 0.351	0.549	**1.400**	± 0.730	0.364
plasmid_lp28-3	BB_H17	**2.525**	± 1.934	0.208	**1.636**	± 1.265	0.156	**1.153**	± 0.896	0.359	**0.854**	± 0.546	0.594
plasmid_lp28-3	BB_H18	**0.867**	± 0.324	0.290	**1.136**	± 0.418	0.247	**0.946**	± 0.283	0.648	**1.042**	± 0.404	0.522
plasmid_lp28-3	BB_H20	**1.441**	± 0.607	0.112	**1.715**	± 1.229	0.300	**1.061**	± 0.370	0.774	**1.292**	± 0.509	0.037
plasmid_lp28-3	BB_H30	**1.000**	± 0.700	0.998	**0.741**	± 0.420	0.519	**0.926**	± 0.656	0.546	**1.143**	± 0.903	0.144
plasmid_lp28-3	BB_H32	**1.088**	± 0.617	0.864	**3.019**	± 2.431	0.286	**1.392**	± 0.624	0.302	**1.360**	± 0.678	0.526
plasmid_lp28-3	BB_H33	**1.221**	± 0.724	0.328	**1.945**	± 1.854	0.369	**1.171**	± 0.515	0.591	**1.026**	± 0.481	0.790
plasmid_lp28-3	BB_H37	**1.096**	± 0.558	0.790	**1.695**	± 1.363	0.429	**0.666**	± 0.388	0.171	**1.036**	± 0.527	0.827

plasmid_lp28-3	BB_H41		**1.459**	± 1.210	0.589	**0.571**	± 0.744	0.215	**0.946**	± 1.261	0.948	**1.201**	± 1.724	0.885
plasmid_lp28-4	BB_I01	*x*	**1.559**	± 1.500	0.218	**0.436**	± 0.360	0.372	**0.986**	± 0.768	0.925	**1.030**	± 0.944	0.674
plasmid_lp28-4	BB_I02	*x*	**2.290**	± 0.941	0.089	**1.253**	± 0.561	0.356	**1.174**	± 0.240	0.133	**1.081**	± 0.257	0.051
plasmid_lp28-4	BB_I39	*x*	**0.957**	± 0.461	0.763	**1.031**	± 0.325	0.641	**0.984**	± 0.374	0.890	**1.251**	± 0.474	0.082
plasmid_lp28-4	BB_I42	*x*	**0.816**	± 0.605	0.482	**1.012**	± 0.708	0.804	**0.438**	± 0.246	0.106	**0.733**	± 0.412	0.508
plasmid_lp28-4	BB_I43	*x*	**0.695**	± 0.485	0.511	**1.165**	± 0.784	0.765	**0.367**	± 0.178	0.164	**0.417**	± 0.383	0.021
plasmid_lp36	BB_K0058		**1.222**	± 0.860	0.605	**1.603**	± 1.859	0.503	**1.244**	± 1.590	0.779	**0.867**	± 0.533	0.767
plasmid_lp36	BB_K01		**1.208**	± 1.151	0.270	**1.611**	± 1.787	0.339	**0.747**	± 0.679	0.107	**0.988**	± 0.939	0.834
plasmid_lp36	BB_K02a		**0.617**	± 0.361	0.079	**0.760**	± 0.297	0.124	**0.753**	± 0.198	0.001	**0.917**	± 0.161	0.205
plasmid_lp36	BB_K07		**0.923**	± 0.441	0.437	**1.170**	± 0.608	0.503	**0.726**	± 0.199	0.192	**0.955**	± 0.371	0.558
plasmid_lp36	BB_K12		**1.117**	± 0.699	0.313	**1.766**	± 1.818	0.412	**0.771**	± 0.389	0.194	**1.001**	± 0.567	0.955
plasmid_lp36	BB_K13		**0.957**	± 0.379	0.637	**1.006**	± 0.525	0.971	**0.832**	± 0.213	0.423	**0.927**	± 0.246	0.332
plasmid_lp36	BB_K15		**1.101**	± 0.352	0.182	**1.475**	± 0.838	0.230	**0.760**	± 0.219	0.175	**0.979**	± 0.340	0.716
plasmid_lp36	BB_K17		**1.073**	± 0.517	0.117	**1.623**	± 1.406	0.372	**0.751**	± 0.308	0.183	**1.144**	± 0.570	0.099
plasmid_lp36	BB_K19		**1.011**	± 0.145	0.860	**1.551**	± 0.948	0.403	**0.695**	± 0.081	0.005	**0.943**	± 0.074	0.327
plasmid_lp36	BB_K32		**1.088**	± 0.387	0.281	**1.442**	± 0.887	0.343	**0.830**	± 0.237	0.151	**1.082**	± 0.284	0.460
plasmid_lp36	BB_K34		**1.524**	± 0.287	0.114	**1.772**	± 1.270	0.420	**0.950**	± 0.126	0.382	**1.304**	± 0.269	0.250
plasmid_lp36	BB_K35		**1.271**	± 0.481	0.182	**1.829**	± 1.183	0.269	**0.889**	± 0.200	0.186	**1.125**	± 0.378	0.253
plasmid_lp36	BB_K37		**1.390**	± 1.048	0.482	**1.645**	± 0.897	0.202	**0.739**	± 0.575	0.320	**1.631**	± 0.514	0.066
plasmid_lp36	BB_K39		**1.100**	± 0.206	0.593	**0.923**	± 0.167	0.297	**0.674**	± 0.170	0.088	**0.839**	± 0.188	0.056
plasmid_lp36	BB_K40		**1.095**	± 0.554	0.330	**1.298**	± 0.960	0.430	**0.664**	± 0.267	0.180	**0.837**	± 0.337	0.342
plasmid_lp36	BB_K41		**1.139**	± 0.671	0.364	**1.579**	± 1.210	0.117	**0.776**	± 0.434	0.405	**1.108**	± 0.606	0.665
plasmid_lp36	BB_K42a		**1.124**	± 0.523	0.046	**1.919**	± 1.600	0.284	**0.880**	± 0.392	0.302	**1.223**	± 0.696	0.233
plasmid_lp36	BB_K45		**0.978**	± 0.760	0.826	**1.543**	± 1.569	0.383	**0.730**	± 0.471	0.188	**0.934**	± 0.583	0.630
plasmid_lp36	BB_K46		**1.191**	± 0.379	0.212	**1.495**	± 0.990	0.418	**0.800**	± 0.197	0.358	**0.941**	± 0.200	0.553
plasmid_lp36	BB_K47		**1.274**	± 0.418	0.097	**1.598**	± 1.201	0.403	**0.783**	± 0.193	0.043	**1.136**	± 0.399	0.253
plasmid_lp36	BB_K48		**1.222**	± 0.465	0.285	**1.316**	± 0.648	0.296	**0.848**	± 0.234	0.037	**1.251**	± 0.408	0.139
plasmid_lp36	BB_K49		**1.105**	± 0.380	0.048	**1.569**	± 1.107	0.334	**0.817**	± 0.271	0.061	**1.067**	± 0.433	0.316
plasmid_lp36	BB_K50		**1.264**	± 0.333	0.184	**1.225**	± 0.316	0.063	**0.821**	± 0.189	0.313	**1.118**	± 0.243	0.237
plasmid_lp36	BB_K52		**1.240**	± 0.479	0.231	**1.653**	± 1.014	0.204	**0.957**	± 0.345	0.814	**1.246**	± 0.529	0.152
plasmid_lp36	BB_K53		**0.873**	± 0.427	0.502	**1.016**	± 0.632	0.914	**0.497**	± 0.243	0.028	**0.728**	± 0.317	0.406
plasmid_lp36	BB_K55		**1.144**	± 0.862	0.699	**1.491**	± 1.349	0.071	**0.743**	± 0.609	0.549	**1.265**	± 0.999	0.469
plasmid_lp38	BB_J0056		**1.526**	± 1.066	0.500	**1.742**	± 0.737	0.041	**1.277**	± 1.004	0.716	**2.009**	± 1.365	0.199
plasmid_lp38	BB_J02a		**0.795**	± 0.289	0.363	**0.955**	± 0.407	0.856	**0.867**	± 0.185	0.293	**1.153**	± 0.155	0.201
plasmid_lp38	BB_J05		**0.839**	± 0.638	0.008	**0.970**	± 0.901	0.877	**0.991**	± 0.668	0.760	**1.077**	± 0.666	0.223
plasmid_lp38	BB_J08		**0.837**	± 0.657	0.424	**1.897**	± 1.958	0.303	**0.703**	± 0.459	0.365	**1.007**	± 0.647	0.962
plasmid_lp38	BB_J09		**0.836**	± 0.168	0.216	**1.368**	± 0.364	0.148	**0.932**	± 0.425	0.668	**1.361**	± 0.702	0.328
plasmid_lp38	BB_J11		**0.524**	± 0.206	0.050	**0.631**	± 0.466	0.243	**0.543**	± 0.303	0.087	**0.454**	± 0.335	0.136
plasmid_lp38	BB_J13		**1.155**	± 0.979	0.611	**2.022**	± 2.261	0.217	**0.497**	± 0.434	0.267	**0.898**	± 0.877	0.645
plasmid_lp38	BB_J15a		**1.160**	± 0.193	0.141	**1.500**	± 0.381	0.108	**0.800**	± 0.076	0.103	**1.260**	± 0.276	0.154
plasmid_lp38	BB_J20		**0.822**	± 0.523	0.742	**1.814**	± 1.477	0.259	**0.708**	± 0.554	0.023	**1.602**	± 0.817	0.157
plasmid_lp38	BB_J21a		**1.534**	± 1.130	0.226	**1.563**	± 1.413	0.248	**0.797**	± 0.614	0.099	**1.065**	± 0.740	0.842
plasmid_lp38	BB_J23		**2.090**	± 1.905	0.069	**0.904**	± 0.791	0.874	**0.919**	± 0.979	0.694	**0.875**	± 1.047	0.633
plasmid_lp38	BB_J24		**0.768**	± 0.321	0.116	**1.108**	± 0.596	0.330	**0.687**	± 0.277	0.126	**0.879**	± 0.350	0.499
plasmid_lp38	BB_J27		**0.939**	± 0.376	0.675	**1.302**	± 0.844	0.525	**0.764**	± 0.170	0.010	**0.891**	± 0.256	0.303
plasmid_lp38	BB_J28		**1.117**	± 0.668	0.274	**2.193**	± 1.747	0.214	**0.964**	± 0.614	0.867	**1.140**	± 0.643	0.555
plasmid_lp38	BB_J29		**0.642**	± 0.560	0.050	**0.891**	± 0.756	0.404	**0.839**	± 0.573	0.109	**0.987**	± 0.628	0.899
plasmid_lp38	BB_J31		**1.049**	± 0.462	0.384	**1.123**	± 0.553	0.245	**0.922**	± 0.349	0.380	**0.990**	± 0.457	0.769
plasmid_lp38	BB_J34		**1.184**	± 0.426	0.161	**1.588**	± 1.199	0.400	**0.799**	± 0.183	0.212	**1.018**	± 0.342	0.841
plasmid_lp38	BB_J36		**1.296**	± 0.664	0.470	**1.719**	± 1.852	0.567	**0.906**	± 0.416	0.740	**1.063**	± 0.358	0.775
plasmid_lp38	BB_J37		**1.031**	± 0.150	0.698	**1.451**	± 0.613	0.378	**0.824**	± 0.111	0.009	**1.070**	± 0.182	0.545
plasmid_lp38	BB_J41		**0.938**	± 0.446	0.613	**0.895**	± 0.224	0.546	**0.964**	± 0.347	0.612	**1.273**	± 0.506	0.083
plasmid_lp38	BB_J43		**0.636**	± 0.582	0.047	**0.872**	± 0.786	0.375	**0.844**	± 0.600	0.096	**0.991**	± 0.660	0.927
plasmid_lp38	BB_J45		**1.041**	± 0.420	0.117	**1.324**	± 0.741	0.236	**0.924**	± 0.330	0.381	**1.121**	± 0.509	0.241
plasmid_lp38	BB_J46		**1.603**	± 0.569	0.081	**1.367**	± 0.728	0.199	**0.903**	± 0.350	0.596	**1.188**	± 0.465	0.541
plasmid_lp38	BB_J47		**2.213**	± 1.806	0.189	**1.100**	± 0.705	0.870	**1.203**	± 0.746	0.122	**1.853**	± 1.268	0.265
plasmid_lp38	BB_J48		**1.409**	± 1.409	0.487	**2.280**	± 2.738	0.395	**1.092**	± 0.913	0.820	**1.246**	± 1.015	0.714
plasmid_lp38	BB_J50		**1.692**	± 1.247	0.334	**2.096**	± 2.050	0.403	**1.336**	± 0.811	0.383	**1.264**	± 0.718	0.402
plasmid_lp38	BB_J51		**0.714**	± 0.119	0.116	**0.815**	± 0.164	0.045	**0.880**	± 0.266	0.357	**0.976**	± 0.297	0.786
plasmid_lp5	BB_T01		**2.315**	± 2.018	0.300	**1.837**	± 1.266	0.237	**0.966**	± 0.358	0.724	**1.045**	± 0.516	0.861
plasmid_lp5	BB_T02		**2.694**	± 2.386	0.209	**0.898**	± 1.241	0.828	**0.787**	± 0.452	0.417	**0.737**	± 0.594	0.178
plasmid_lp5	BB_T03		**3.084**	± 1.781	0.036	**1.765**	± 1.429	0.208	**1.085**	± 0.530	0.762	**1.050**	± 0.948	0.876
plasmid_lp5	BB_T04		**3.586**	± 3.242	0.169	**1.811**	± 1.028	0.014	**1.171**	± 0.763	0.241	**1.449**	± 0.890	0.059
plasmid_lp5	BB_T06		**3.318**	± 1.303	0.073	**1.509**	± 0.705	0.379	**1.075**	± 0.333	0.759	**1.022**	± 0.345	0.934

plasmid_lp5	BB_T07		**1.593**	± 0.266	0.080	**1.302**	± 0.328	0.286	**1.048**	± 0.301	0.803	**0.955**	± 0.167	0.751
plasmid_lp54	BB_A0078		**0.683**	± 0.842	0.480	**1.488**	± 1.097	0.343	**0.718**	± 0.471	0.046	**1.154**	± 1.298	0.821
plasmid_lp54	BB_A01		**1.283**	± 0.484	0.278	**1.753**	± 0.689	0.037	**1.681**	± 0.697	0.236	**1.877**	± 1.069	0.141
plasmid_lp54	BB_A03		**0.724**	± 1.079	0.724	**1.035**	± 1.772	0.976	**0.194**	± 0.286	0.012	**0.264**	± 0.164	0.039
plasmid_lp54	BB_A04		**1.147**	± 0.369	0.562	**3.180**	± 4.129	0.423	**0.977**	± 0.429	0.842	**1.596**	± 0.904	0.162
plasmid_lp54	BB_A09		**0.971**	± 0.505	0.857	**1.605**	± 1.289	0.234	**0.760**	± 0.384	0.333	**1.139**	± 0.663	0.102
plasmid_lp54	BB_A10		**1.046**	± 0.414	0.870	**1.320**	± 0.559	0.417	**0.737**	± 0.122	0.117	**0.940**	± 0.427	0.836
plasmid_lp54	BB_A11		**0.892**	± 0.370	0.274	**1.391**	± 0.991	0.351	**0.866**	± 0.377	0.097	**1.050**	± 0.518	0.331
plasmid_lp54	BB_A13		**0.951**	± 0.761	0.894	**2.251**	± 1.099	0.120	**0.832**	± 0.468	0.429	**0.757**	± 0.495	0.300
plasmid_lp54	BB_A14		**0.650**	± 0.234	0.138	**0.739**	± 0.404	0.528	**1.142**	± 0.354	0.557	**1.110**	± 0.442	0.765
plasmid_lp54	BB_A23		**0.762**	± 0.258	0.416	**1.042**	± 0.381	0.898	**0.603**	± 0.153	0.047	**1.041**	± 0.262	0.839
plasmid_lp54	BB_A24	*dbpA*	**0.564**	± 0.283	0.143	**1.281**	± 0.694	0.486	**1.043**	± 0.446	0.836	**1.288**	± 0.797	0.193
plasmid_lp54	BB_A25	*dbpB*	**0.919**	± 0.366	0.756	**1.709**	± 1.217	0.436	**0.623**	± 0.519	0.466	**1.038**	± 0.333	0.758
plasmid_lp54	BB_A30		**0.941**	± 0.404	0.215	**1.527**	± 1.371	0.452	**0.825**	± 0.288	0.428	**1.215**	± 0.720	0.557
plasmid_lp54	BB_A31		**0.854**	± 0.214	0.266	**1.408**	± 0.563	0.118	**0.789**	± 0.231	0.208	**1.161**	± 0.314	0.378
plasmid_lp54	BB_A33		**1.068**	± 0.776	0.909	**2.397**	± 1.670	0.181	**1.161**	± 0.558	0.313	**2.011**	± 1.043	0.074
plasmid_lp54	BB_A34		**0.616**	± 0.302	0.182	**0.461**	± 0.377	0.341	**0.795**	± 0.518	0.045	**0.965**	± 0.627	0.334
plasmid_lp54	BB_A36		**0.714**	± 0.350	0.019	**1.423**	± 1.243	0.527	**0.524**	± 0.256	0.039	**0.885**	± 0.492	0.503
plasmid_lp54	BB_A38		**1.447**	± 0.501	0.300	**0.946**	± 0.416	0.866	**0.490**	± 0.211	0.134	**1.426**	± 0.508	0.039
plasmid_lp54	BB_A39		**0.585**	± 0.190	0.106	**1.218**	± 0.821	0.516	**0.655**	± 0.248	0.028	**0.844**	± 0.275	0.259
plasmid_lp54	BB_A40		**0.347**	± 0.260	0.224	**1.025**	± 0.750	0.969	**0.569**	± 0.417	0.332	**1.081**	± 0.923	0.738
plasmid_lp54	BB_A41		**0.720**	± 0.125	0.110	**1.271**	± 0.518	0.298	**0.722**	± 0.126	0.090	**1.088**	± 0.263	0.488
plasmid_lp54	BB_A42		**0.760**	± 0.442	0.071	**1.117**	± 0.516	0.657	**0.984**	± 0.549	0.909	**0.811**	± 0.572	0.545
plasmid_lp54	BB_A43		**0.715**	± 0.431	0.184	**1.195**	± 0.516	0.546	**0.962**	± 0.507	0.827	**0.888**	± 0.235	0.303
plasmid_lp54	BB_A44		**1.111**	± 0.531	0.718	**1.303**	± 1.133	0.660	**0.842**	± 0.206	0.376	**1.251**	± 0.251	0.017
plasmid_lp54	BB_A45		**1.096**	± 0.465	0.435	**1.681**	± 1.271	0.346	**0.869**	± 0.232	0.257	**1.001**	± 0.268	0.994
plasmid_lp54	BB_A46		**0.714**	± 0.422	0.215	**1.478**	± 1.138	0.161	**0.718**	± 0.429	0.207	**0.847**	± 0.549	0.302
plasmid_lp54	BB_A49		**0.612**	± 0.296	0.157	**1.173**	± 0.523	0.079	**0.871**	± 0.273	0.513	**0.935**	± 0.340	0.691
plasmid_lp54	BB_A50		**0.893**	± 0.433	0.466	**1.637**	± 1.483	0.353	**0.755**	± 0.444	0.075	**1.043**	± 0.659	0.503
plasmid_lp54	BB_A53		**0.749**	± 0.237	0.307	**1.019**	± 0.698	0.974	**0.494**	± 0.296	0.065	**0.681**	± 0.359	0.421
plasmid_lp54	BB_A55		**0.768**	± 1.125	0.767	**1.698**	± 1.674	0.464	**0.731**	± 1.050	0.775	**2.588**	± 2.945	0.067
plasmid_lp54	BB_A56		**0.882**	± 0.640	0.584	**1.634**	± 1.517	0.354	**0.722**	± 0.500	0.271	**1.082**	± 0.511	0.674
plasmid_lp54	BB_A57		**0.799**	± 0.557	0.098	**1.729**	± 1.597	0.374	**0.789**	± 0.507	0.067	**0.883**	± 0.539	0.524
plasmid_lp54	BB_A59		**0.760**	± 0.158	0.180	**0.636**	± 0.586	0.394	**1.113**	± 0.422	0.463	**0.936**	± 0.229	0.721
plasmid_lp54	BB_A60		**0.949**	± 0.251	0.275	**1.643**	± 1.398	0.448	**0.813**	± 0.237	0.474	**1.068**	± 0.260	0.444
plasmid_lp54	BB_A61		**0.788**	± 0.164	0.073	**1.251**	± 0.231	0.172	**0.639**	± 0.340	0.106	**0.925**	± 0.190	0.326
plasmid_lp54	BB_A64		**0.901**	± 0.570	0.142	**1.557**	± 1.392	0.421	**0.815**	± 0.353	0.316	**1.273**	± 0.693	0.092
plasmid_lp54	BB_A65		**0.869**	± 0.347	0.434	**1.485**	± 0.978	0.211	**0.818**	± 0.332	0.292	**1.054**	± 0.417	0.691
plasmid_lp54	BB_A66		**0.665**	± 0.208	0.183	**1.345**	± 0.997	0.531	**0.795**	± 0.261	0.458	**0.837**	± 0.250	0.532
plasmid_lp54	BB_A68	*cspA*	**1.017**	± 0.479	0.952	**1.359**	± 0.593	0.380	**0.806**	± 0.161	0.079	**1.049**	± 0.129	0.653
plasmid_lp54	BB_A69		**1.692**	± 0.578	0.184	**2.971**	± 2.254	0.213	**1.447**	± 1.005	0.459	**0.781**	± 0.362	0.450
plasmid_lp54	BB_A70		**0.392**	± 0.183	0.166	**0.591**	± 0.402	0.428	**0.876**	± 0.393	0.417	**0.931**	± 0.494	0.516
plasmid_lp54	BB_A71		**0.992**	± 0.396	0.973	**1.135**	± 0.272	0.061	**0.779**	± 0.235	0.350	**0.771**	± 0.224	0.376
plasmid_lp54	BB_A73		**1.027**	± 0.404	0.803	**1.083**	± 0.625	0.625	**0.764**	± 0.344	0.536	**0.863**	± 0.383	0.196
plasmid_lp54	BB_A74	*osm28*	**1.146**	± 0.417	0.176	**1.827**	± 1.366	0.322	**0.825**	± 0.246	0.021	**1.111**	± 0.408	0.242
plasmid_lp54	BB_A76	*thyX*	**1.240**	± 1.170	0.201	**0.310**	± 0.384	0.367	**0.041**	± 0.077	0.147	**0.191**	± 0.231	0.275
plasmid_lp56	BB_Q0091		**4.684**	± 3.528	0.045	**0.772**	± 0.666	0.363	**1.870**	± 1.995	0.531	**0.793**	± 0.497	0.597
plasmid_lp56	BB_Q01		**1.268**	± 1.085	0.588	**1.768**	± 1.279	0.276	**0.739**	± 0.805	0.516	**0.727**	± 0.347	0.475
plasmid_lp56	BB_Q03		**0.812**	± 0.767	0.659	**1.250**	± 1.361	0.274	**0.572**	± 0.519	0.437	**0.724**	± 0.699	0.629
plasmid_lp56	BB_Q12		**1.393**	± 0.372	0.174	**0.885**	± 0.653	0.812	**1.581**	± 0.638	0.310	**1.470**	± 0.736	0.406
plasmid_lp56	BB_Q13		**2.325**	± 0.543	0.018	**1.294**	± 0.400	0.392	**0.973**	± 0.335	0.728	**1.008**	± 0.314	0.720
plasmid_lp56	BB_Q14		**0.752**	± 0.408	0.532	**0.835**	± 0.586	0.638	**0.758**	± 0.395	0.539	**0.846**	± 0.475	0.737
plasmid_lp56	BB_Q15		**1.807**	± 0.528	0.046	**1.166**	± 0.699	0.658	**0.907**	± 0.245	0.183	**1.168**	± 0.429	0.267
plasmid_lp56	BB_Q16		**2.335**	± 1.152	0.107	**1.127**	± 0.951	0.781	**0.874**	± 0.260	0.068	**0.918**	± 0.234	0.379
plasmid_lp56	BB_Q17		**1.350**	± 0.448	0.132	**0.894**	± 0.198	0.394	**0.829**	± 0.242	0.116	**0.996**	± 0.274	0.928
plasmid_lp56	BB_Q18		**2.186**	± 1.195	0.053	**2.007**	± 1.890	0.325	**1.135**	± 0.511	0.195	**1.058**	± 0.432	0.702
plasmid_lp56	BB_Q19		**2.120**	± 0.567	0.067	**1.902**	± 1.732	0.453	**0.973**	± 0.118	0.737	**0.971**	± 0.157	0.660
plasmid_lp56	BB_Q20		**4.448**	± 1.597	0.066	**2.670**	± 0.718	0.055	**1.776**	± 0.663	0.169	**1.768**	± 0.145	0.015
plasmid_lp56	BB_Q21		**1.898**	± 0.632	0.007	**1.638**	± 1.269	0.334	**1.270**	± 0.470	0.413	**1.109**	± 0.407	0.163
plasmid_lp56	BB_Q22		**2.587**	± 0.817	0.016	**1.713**	± 1.229	0.320	**1.059**	± 0.296	0.660	**1.224**	± 0.319	0.028
plasmid_lp56	BB_Q23		**1.879**	± 0.815	0.177	**1.757**	± 1.014	0.321	**0.577**	± 0.247	0.148	**0.711**	± 0.312	0.242
plasmid_lp56	BB_Q24		**1.890**	± 1.118	0.035	**0.513**	± 0.356	0.359	**0.975**	± 0.520	0.871	**1.048**	± 0.587	0.590
plasmid_lp56	BB_Q25		**2.230**	± 0.641	0.024	**1.966**	± 1.640	0.370	**1.062**	± 0.259	0.582	**1.186**	± 0.218	0.260
plasmid_lp56	BB_Q26		**2.537**	± 0.616	0.043	**1.756**	± 0.623	0.131	**1.369**	± 0.592	0.434	**1.753**	± 0.588	0.173

plasmid_lp56	BB_Q27		**1.847**	± 1.216	0.088	**0.810**	± 0.365	0.533	**1.031**	± 0.608	0.426	**1.046**	± 0.603	0.497
plasmid_lp56	BB_Q28		**1.945**	± 0.944	0.020	**0.756**	± 0.364	0.194	**0.846**	± 0.405	0.228	**1.010**	± 0.520	0.957
plasmid_lp56	BB_Q29		**2.268**	± 0.409	0.007	**1.337**	± 0.563	0.320	**0.989**	± 0.180	0.354	**1.032**	± 0.292	0.723
plasmid_lp56	BB_Q30	*blyA*	**1.126**	± 0.469	0.178	**0.487**	± 0.361	0.309	**0.923**	± 0.381	0.474	**0.993**	± 0.445	0.881
plasmid_lp56	BB_Q31	*blyB*	**2.432**	± 1.365	0.107	**1.368**	± 0.788	0.530	**0.966**	± 0.674	0.876	**0.768**	± 0.259	0.419
plasmid_lp56	BB_Q32		**2.304**	± 1.104	0.073	**1.706**	± 1.449	0.383	**0.961**	± 0.400	0.749	**1.057**	± 0.398	0.459
plasmid_lp56	BB_Q33		**1.141**	± 0.459	0.385	**0.635**	± 0.504	0.241	**1.009**	± 0.640	0.970	**1.161**	± 0.547	0.089
plasmid_lp56	BB_Q34	*bdrW*	**1.885**	± 1.295	0.310	**1.122**	± 0.692	0.610	**0.982**	± 0.627	0.971	**1.230**	± 0.715	0.674
plasmid_lp56	BB_Q37		**1.091**	± 0.547	0.056	**1.015**	± 0.402	0.962	**1.228**	± 0.441	0.453	**1.109**	± 0.407	0.641
plasmid_lp56	BB_Q39		**2.589**	± 1.319	0.126	**1.998**	± 1.175	0.239	**1.359**	± 0.981	0.567	**0.982**	± 1.087	0.982
plasmid_lp56	BB_Q43	*bppA*	**1.430**	± 0.584	0.028	**1.120**	± 0.611	0.498	**0.921**	± 0.326	0.496	**1.122**	± 0.416	0.026
plasmid_lp56	BB_Q44	*bppB*	**1.800**	± 0.755	0.198	**1.467**	± 1.222	0.572	**0.828**	± 0.383	0.528	**1.162**	± 0.383	0.543
plasmid_lp56	BB_Q45	*bppC*	**3.391**	± 2.290	0.114	**2.151**	± 2.415	0.407	**0.687**	± 0.272	0.196	**0.945**	± 0.359	0.838
plasmid_lp56	BB_Q48		**3.521**	± 1.109	0.039	**2.532**	± 2.899	0.437	**0.974**	± 0.303	0.836	**1.955**	± 0.916	0.166
plasmid_lp56	BB_Q49		**1.188**	± 0.549	0.269	**0.485**	± 0.282	0.206	**0.877**	± 0.279	0.125	**0.949**	± 0.362	0.055
plasmid_lp56	BB_Q50		**1.915**	± 1.131	0.001	**0.958**	± 0.568	0.797	**0.826**	± 0.459	0.509	**0.949**	± 0.524	0.806
plasmid_lp56	BB_Q51		**1.893**	± 0.689	0.164	**1.449**	± 0.874	0.481	**1.030**	± 0.189	0.799	**1.168**	± 0.235	0.380
plasmid_lp56	BB_Q52		**1.609**	± 0.519	0.130	**1.198**	± 0.730	0.647	**0.976**	± 0.162	0.556	**0.981**	± 0.110	0.830
plasmid_lp56	BB_Q53		**1.641**	± 1.130	0.199	**1.309**	± 0.658	0.022	**0.833**	± 0.354	0.397	**1.022**	± 0.510	0.929
plasmid_lp56	BB_Q54		**2.872**	± 0.475	0.007	**1.675**	± 0.988	0.333	**0.978**	± 0.482	0.952	**0.981**	± 0.167	0.898
plasmid_lp56	BB_Q55		**2.554**	± 1.297	0.060	**1.660**	± 1.742	0.523	**0.632**	± 0.213	0.174	**0.729**	± 0.327	0.355
plasmid_lp56	BB_Q85		**1.412**	± 1.207	0.145	**1.077**	± 0.956	0.461	**0.842**	± 0.699	0.751	**0.856**	± 0.744	0.675
plasmid_lp56	BB_Q88		**1.637**	± 1.301	0.419	**2.724**	± 2.654	0.344	**0.906**	± 0.303	0.400	**1.101**	± 0.452	0.570

---

[a] Samples with >10 sequences in all 3 glucose cultures

[b] % of total reads following growth in specified carbohydrate/% total reads following growth in glucose

[c] p-value was obtained using a Ttest

[d] A fitness value of 0 indicates that insertions in this gene were not present in the population following growth in GlcNAc

Table S3. Fitness values of all transposon insertions identified in the carbohydrate Tn-seq screen[a]

				GlcNAc		Maltose		Mannose		Trehalose		
Location	**Position**	**Locus**	**Gene**	**Fitness Value**[b]	**p-value**[c]	**Fitness Value**	**p-value**	**Fitness Value**	**p-value**	**Fitness Value**	**p-value**	**Sequence obtained in the Tn-seq**
chromosome	604	BB_0001		**0.903** ± 0.386	0.481	**1.320** ± 0.620	0.524	**0.539** ± 0.204	0.164	**0.715** ± 0.355	0.284	GTATTTACTATAAATTATCGACTTCTTTTAAAGAATTTATCCTTTTAGATC
chromosome	1084	BB_0002		**1.100** ± 1.390	0.910	**1.790** ± 2.529	0.006	**1.002** ± 1.467	0.996	**1.642** ± 2.222	0.544	GTTGTTCCCCCTAATCCAGGAAAATGTTTGATTGCCGAAAATACTCCATTA
chromosome	15805	IG 1		**1.069** ± 0.605	0.649	**0.972** ± 0.662	0.962	**1.023** ± 0.453	0.848	**1.236** ± 0.677	0.319	AATTACTAGCTTGTAGCTTAAAAGTGGCTCTAACATTAAGATGAAAAAGAA
chromosome	15914	IG 2		**0.441** ± 0.210	0.174	**0.685** ± 0.499	0.432	**0.832** ± 0.538	0.368	**1.077** ± 0.601	0.512	ATAAAAAAATTAAAGACTATAACTAAAAATCCTAAATTAATATTTGATAGC
chromosome	15930	IG 3		**0.598** ± 0.344	0.202	**0.447** ± 0.263	0.265	**0.957** ± 0.758	0.723	**0.975** ± 0.764	0.724	GTCTTTAATTTTTTTATTAGTATTAGTAATAATAGTTTGAGTTTTTTTTTA
chromosome	15935	IG 4		**0.922** ± 1.574	0.951	**0.797** ± 1.200	0.859	**1.880** ± 2.194	0.326	**2.331** ± 2.859	0.438	ACTAAAAATCCTAAATTAATATTTGATAGCACAATACAAATAACTTTAGGA
chromosome	15939	IG 5		**0.176** ± 0.207	0.214	**0.243** ± 0.445	0.248	**0.668** ± 0.623	0.462	**0.281** ± 0.214	0.170	AAAATCCTAAATTAATATTTGATAGCACAATACAAATAACTTTAGGATCTG
chromosome	16023	BB_0017		**0.681** ± 0.384	0.226	**0.616** ± 0.374	0.446	**0.913** ± 0.602	0.383	**0.984** ± 0.619	0.884	TTCCTCATGGACTTCTTAGTGGGGGAATTGGGGGCATTTCATTAATGCTAC
chromosome	16167	BB_0017		**0.724** ± 0.223	0.066	**0.595** ± 0.382	0.163	**0.905** ± 0.347	0.778	**1.072** ± 0.412	0.822	TAATTCAAAGTTGGATTTCAATGGGATTATATTCTATTATCATAAACCACT
chromosome	16198	BB_0017		**0.671** ± 0.528	0.050	**0.198** ± 0.204	0.154	**0.867** ± 0.711	0.810	**0.653** ± 0.454	0.537	TTCTATTATCATAAACCACTCCCAGTTTTTACAAAATAAAATACATCTTAA
chromosome	16241	BB_0017		**0.857** ± 1.186	0.857	**0.354** ± 0.371	0.167	**0.804** ± 0.982	0.764	**0.621** ± 0.372	0.326	CATCTTAATGATATGATGCTTGTATCAATACTAGCTGGACTTATTTCTGGA
chromosome	16245	BB_0017		**1.937** ± 1.329	0.092	**1.292** ± 0.856	0.403	**1.278** ± 1.302	0.534	**2.191** ± 1.766	0.206	AGATGTATTTTATTTTGTAAAAACTGGGAGTGGTTTATGATAATAGAATAT
chromosome	16265	BB_0017		**0.444** ± 0.548	0.528	**0.189** ± 0.339	0.403	**0.481** ± 0.804	0.272	**0.813** ± 1.024	0.716	TCAATACTAGCTGGACTTATTTCTGGACTTGGGCTTGGGCTAATATTTAAG
chromosome	16271	BB_0017		**0.658** ± 0.281	0.276	**0.726** ± 0.597	0.578	**0.863** ± 0.268	0.567	**0.839** ± 0.354	0.031	CTAGCTGGACTTATTTCTGGACTTGGGCTTGGGCTAATATTTAAGGGCAAA
chromosome	16341	BB_0017		**0.800** ± 0.422	0.594	**0.692** ± 0.383	0.444	**1.209** ± 0.363	0.341	**1.213** ± 1.016	0.690	TCTGATCCCCCTGAAGATCCTTTGCCCTTAAATATTAGCCCAAGCCCAAGT
chromosome	16350	BB_0017		**1.481** ± 1.584	0.350	**0.243** ± 0.484	0.173	**0.763** ± 1.035	0.778	**1.240** ± 1.821	0.835	GCAATTATATCTGATCCCCCTGAAGATCCTTTGCCCTTAAATATTAGCCCA
chromosome	16359	BB_0017		**1.252** ± 0.826	0.599	**0.234** ± 0.297	0.113	**1.150** ± 1.144	0.869	**1.202** ± 0.787	0.554	ATGATCATAGCAATTATATCTGATCCCCCTGAAGATCCTTTGCCCTTAAAT
chromosome	16407	BB_0017		**0.721** ± 0.161	0.062	**0.892** ± 1.177	0.891	**0.604** ± 0.652	0.414	**1.097** ± 1.055	0.885	ATCTTGTGGTATTAATACTTGCAACCTTTTTCTTTAATATTGAAATCGCTC
chromosome	16469	BB_0017		**1.183** ± 1.475	0.874	**0.278** ± 0.386	0.444	**2.379** ± 2.980	0.307	**0.938** ± 1.350	0.653	ATAGCATCATTTGTAACATCTATCATGACAGATAAAACAAGTACTGGATTT
chromosome	16610	BB_0017		**0.000** ± 0.000[d]	0.038	**0.694** ± 0.424	0.236	**0.997** ± 0.198	0.248	**0.831** ± 0.296	0.716	ATAGACGGAAAAGGTGCTTGGGCAGGAACAGAAAAAACTATAGTATTTATA
chromosome	16610	BB_0017		**0.668** ± 0.230	0.145	**0.299** ± 0.528	0.419	**0.317** ± 0.530	0.982	**1.164** ± 0.952	0.171	TTAATGTAGCGGCTAATTTTAACTTGTTTGTAAGAAGATAAGCAATTTCTT
chromosome	16655	BB_0017		**0.384** ± 0.270	0.075	**0.595** ± 0.295	0.265	**0.843** ± 0.609	0.570	**0.670** ± 0.531	0.148	TTTATAGTAGTTCCAATAATGCGTTTATCAAGAATTAAATATATATCACAA
chromosome	16659	BB_0017		**0.695** ± 0.264	0.190	**0.630** ± 0.487	0.476	**1.043** ± 0.474	0.490	**1.015** ± 0.410	0.814	TAGTAGTTCCAATAATGCGTTTATCAAGAATTAAATATATATCACAAAAAG
chromosome	16661	BB_0017		**0.396** ± 0.152	0.088	**0.570** ± 0.513	0.405	**0.953** ± 0.294	0.857	**0.969** ± 0.265	0.846	CTATAAATACTATAGTTTTTTCTGTTCCTGCCCAAGCACCTTTTCCGTCTA
chromosome	16661	BB_0017		**0.676** ± 0.469	0.103	**0.783** ± 0.499	0.679	**1.046** ± 0.701	0.595	**1.281** ± 0.954	0.159	GTAGTTCCAATAATGCGTTTATCAAGAATTAAATATATATCACAAAAAGTT
chromosome	16689	BB_0017		**0.299** ± 0.505	0.008	**0.160** ± 0.271	0.008	**0.627** ± 0.498	0.020	**0.774** ± 0.951	0.535	ATTCTTGATAAACGCATTATTGGAACTACTATAAATACTATAGTTTTTTCT
chromosome	20058	BB_0021	*queA*	**0.598** ± 0.322	0.012	**0.734** ± 0.306	0.227	**0.955** ± 0.475	0.693	**0.979** ± 0.569	0.941	TTATTTAGAATTAACATAGCATCACCATAAGAAAAAAATTTATAACCTTTA
chromosome	20314	BB_0021	*queA*	**0.973** ± 0.897	0.972	**2.559** ± 1.893	0.258	**0.797** ± 0.716	0.743	**0.803** ± 0.763	0.713	GAGTCATCTTATGATAATAACCTTAAGAAATTTAAAACAGGTCAGCAAAGT
chromosome	20888	BB_0021	*queA*	**0.829** ± 0.568	0.548	**1.764** ± 1.114	0.055	**1.150** ± 1.045	0.790	**1.364** ± 0.882	0.546	TTCTTGATTTTCTAGCTTTTGAGTTATTAAAAATATTACTATTTATATATT
chromosome	20933	BB_0021	*queA*	**0.613** ± 0.578	0.460	**0.523** ± 0.536	0.398	**0.534** ± 0.273	0.195	**0.928** ± 0.311	0.810	TATATTTTAAAATATTGTTTACAGAATTTTTATGGTAAATTTTTTGCAATT
chromosome	21111	BB_0022	*ruvB*	**0.996** ± 0.929	0.969	**2.040** ± 1.832	0.330	**1.231** ± 1.502	0.786	**1.227** ± 1.609	0.767	AACTTAGAGATGAAAGAGGATGGTCTTAATGAAAACCAAAGAGTTTCATTT
chromosome	21547	BB_0022	*ruvB*	**1.131** ± 0.429	0.622	**0.745** ± 0.529	0.541	**0.922** ± 0.272	0.685	**1.190** ± 0.253	0.172	AAGTTCAAATCTTGCAGTAATTCCAAATCTCGCATAAAGTGGAGATGTTAC
chromosome	22001	BB_0022	*ruvB*	**0.858** ± 0.318	0.042	**1.329** ± 0.803	0.374	**0.679** ± 0.172	0.136	**0.887** ± 0.304	0.168	AAGGTCAGGTTAATGTTAAAGAAACCCTTAGTATTTTCATAAGAGCTTCTA
chromosome	22025	BB_0022	*ruvB*	**0.676** ± 0.597	0.084	**0.587** ± 0.528	0.053	**0.666** ± 0.362	0.099	**1.046** ± 0.521	0.830	GGCCTAAAGTTTTTGAAGATTTTAAAGGTCAGGTTAATGTTAAAGAAACCC
chromosome	22466	BB_0023	*ruvA*	**0.462** ± 0.393	0.281	**0.197** ± 0.217	0.267	**0.605** ± 0.590	0.231	**0.721** ± 0.688	0.290	TATTGGATAACACTCTTAAAGCGGCCCTTGGGCCTACTCCGCTTACTCCAA
chromosome	22468	BB_0023	*ruvA*	**0.842** ± 0.382	0.293	**1.346** ± 0.880	0.229	**0.810** ± 0.332	0.371	**0.894** ± 0.430	0.313	TTGGATAACACTCTTAAAGCGGCCCTTGGGCCTACTCCGCTTACTCCAATA
chromosome	22600	BB_0023	*ruvA*	**0.783** ± 0.313	0.127	**1.200** ± 0.773	0.546	**0.669** ± 0.215	0.036	**0.851** ± 0.307	0.095	AATAACTCAACTTTGTCTGACAAATTAAAATTAGCAAGGCAAAATGCACTA
chromosome	22797	IG 6		**0.734** ± 0.270	0.296	**1.111** ± 0.618	0.803	**0.532** ± 0.097	0.034	**0.598** ± 0.094	0.041	AGGCTTTTGCTTTAAATTGTTGAATGTTTCTGTGTAATATAATTTATAATT
chromosome	22856	BB_0024		**0.656** ± 0.207	0.217	**0.539** ± 0.431	0.288	**0.692** ± 0.231	0.127	**0.848** ± 0.595	0.688	ATTAATTGAAAATAGCTATTTAAAAATTGATTTTTCATTTAGTGTCCTTTT
chromosome	23008	BB_0024		**1.134** ± 0.221	0.390	**1.406** ± 0.348	0.206	**0.610** ± 0.353	0.294	**0.918** ± 0.802	0.848	TTCATAGGATCTGGAAGCACTTTTGCATACTTTGTAACAAAAAACAGAAAA
chromosome	23099	BB_0024		**2.057** ± 2.091	0.082	**1.823** ± 2.397	0.429	**1.121** ± 1.379	0.843	**1.535** ± 1.562	0.472	TTGATTATTGGGATAATAAACTCTACATATCTTCTGTCGATAAAATATATG
chromosome	23185	BB_0024		**0.618** ± 0.428	0.264	**1.985** ± 1.397	0.270	**1.156** ± 0.710	0.781	**0.989** ± 0.671	0.982	TGCTTTTATTAATTTCTTCTTTTACATTTTTAACTACATATATTTTATCGA
chromosome	23630	BB_0024		**0.800** ± 0.095	0.062	**1.046** ± 0.521	0.874	**0.740** ± 0.087	0.058	**0.878** ± 0.120	0.326	TTTACGAACTTCCCGCACATGTAGCTCCACTTGGAATACACTTTTACCGGG
chromosome	23700	BB_0024		**1.435** ± 1.069	0.249	**2.309** ± 2.780	0.320	**0.870** ± 0.638	0.744	**1.341** ± 1.017	0.283	TTCTTTTGGAAAGTTATTTCCCCGGTAAAAGTGTATTCCAAGTGGAGCTAC
chromosome	23719	BB_0024		**0.477** ± 0.442	0.352	**0.410** ± 0.385	0.305	**0.485** ± 0.571	0.443	**1.140** ± 1.309	0.777	TGAATAATTTATTTATGTATTCTTTTGGAAAGTTATTTCCCCGGTAAAAGT

chromosome	23934	BB_0024		**0.337**	± 0.371	0.422	**0.733**	± 1.316	0.271	**0.187**	± 0.247	0.227	**0.301**	± 0.323	0.327	CAGAGTTTACTACGAAAAGATTTAAATAAAACTAACTTAATTCTTCTGGGA
chromosome	40220	BB_0040	*cheR*	**0.528**	± 0.202	0.157	**0.331**	± 0.269	0.190	**0.727**	± 0.349	0.126	**0.808**	± 0.469	0.111	TAAGGCTCTTCACCACTTGAACAGCCAGCTGACCATATTCTAATTTCTGAG
chromosome	41593	BB_0043		**1.263**	± 0.571	0.544	**1.790**	± 1.200	0.421	**0.804**	± 0.316	0.456	**0.942**	± 0.573	0.245	TTTGTTGGGAAAACTTTATGAGTCTGAGAGCAAGCATAAAGATTTTTTAAA
chromosome	42362	BB_0043		**1.056**	± 0.907	0.695	**1.910**	± 3.262	0.637	**1.241**	± 1.344	0.829	**0.866**	± 0.632	0.626	TCTACCTCTCCACTACTAAAATCAAGCTCATACGAATCGTCTTGACTTATA
chromosome	43859	BB_0045		**0.754**	± 0.471	0.608	**0.849**	± 0.485	0.712	**0.767**	± 0.549	0.403	**0.860**	± 0.522	0.759	CCATCTATAAGTTTAATTTCATCCAAATTTTTAAACTTAGAAAGCTCTATA
chromosome	45429	IG 7		**0.973**	± 0.580	0.875	**1.436**	± 1.066	0.385	**0.735**	± 0.504	0.066	**1.086**	± 0.630	0.677	AAATATTTTTATTTATTATAATATGAAATTGTAGATTTATCAGTAATTGGT
chromosome	45613	BB_0046	*rnhB*	**0.297**	± 0.174	0.049	**0.703**	± 0.197	0.201	**0.591**	± 0.585	0.407	**1.391**	± 1.028	0.531	TGAGTTTTCAAGTATTAATGAGGATAGGTACTCTCTTTTTTCTTTTTTTAG
chromosome	45660	BB_0046	*rnhB*	**0.457**	± 0.389	0.243	**0.580**	± 0.503	0.400	**0.588**	± 0.139	0.041	**0.943**	± 0.234	0.272	TTTATTTTTTCTATTGTTATATTTGAAATTTCAGCAAATGCATAATATGAG
chromosome	45737	BB_0046	*rnhB*	**0.974**	± 0.368	0.887	**1.483**	± 1.358	0.477	**0.532**	± 0.413	0.040	**0.996**	± 0.914	0.991	GATGGCAAATTTGTACCCAAAATAACAGCAAAAAATGTTAAAGCAATAATT
chromosome	47204	BB_0050		**0.047**	± 0.056	0.229	**0.611**	± 0.808	0.371	**0.370**	± 0.420	0.344	**0.870**	± 1.241	0.203	CCACTTATTCATTTTTGATTATTGTATCCATTTTTTTTAAAAAAAACGGAT
chromosome	47284	BB_0050		**0.186**	± 0.202	0.072	**0.660**	± 0.667	0.203	**0.881**	± 0.636	0.320	**0.882**	± 0.614	0.237	TAATAATTGCTACTGCAACCCATGCAAATAATCCGTTTTTTTTAAAAAAAA
chromosome	47302	BB_0050		**0.326**	± 0.410	0.170	**0.683**	± 0.759	0.057	**1.088**	± 0.869	0.891	**0.916**	± 0.681	0.821	AAACTTGAATGTTTGCTATAATAATTGCTACTGCAACCCATGCAAATAATC
chromosome	47348	BB_0050		**0.229**	± 0.250	0.028	**0.658**	± 0.592	0.481	**0.846**	± 0.281	0.133	**0.973**	± 0.364	0.937	ATGTTGCCCAATGTAGCATTAATTCCAAATATTGTAATTTGTTTTAAAACT
chromosome	47956	BB_0051		**0.308**	± 0.380	0.025	**0.613**	± 0.718	0.121	**0.583**	± 0.371	0.161	**0.897**	± 0.664	0.862	TAAATAGAAACATTCCTGTCCACAAGCTTAAATCAAACATATCCTTATTCA
chromosome	47957	BB_0051		**0.605**	± 0.596	0.600	**0.985**	± 1.255	0.988	**1.722**	± 2.083	0.624	**1.920**	± 1.684	0.302	TATATACAGCATTGGGAATTCTTTACCGATTTTTTGGAAAATCTGGGCTTT
chromosome	48047	BB_0051		**0.498**	± 0.471	0.059	**0.551**	± 0.588	0.005	**0.814**	± 0.807	0.400	**0.522**	± 0.447	0.084	TAATATTAAGAAATTTAAAAATATTTGGAATGTCCTTAAATTTATCAGGCA
chromosome	48216	BB_0051		**0.192**	± 0.193	0.124	**1.597**	± 1.832	0.637	**4.066**	± 3.010	0.194	**1.818**	± 1.855	0.419	AAGCATAATTGTAAAAGTTATGTTTAGCAAAAGACTCAATACCACGGATTT
chromosome	48544	BB_0051		**0.160**	± 0.232	0.010	**0.268**	± 0.376	0.001	**1.416**	± 0.605	0.116	**1.066**	± 0.493	0.877	ATTGCAATCGATACCATTTTTTACCTATTTATAAATTCTTGGAAAAAAATA
chromosome	49326	IG 8		**0.972**	± 0.359	0.748	**1.188**	± 0.424	0.469	**0.823**	± 0.328	0.148	**0.902**	± 0.407	0.448	AGAAATAGTTTGCAATTTGAAATATATTAAAGGACTGATTTGTTATTTTTG
chromosome	49717	BB_0053	*ung*	**0.439**	± 0.197	0.028	**0.923**	± 0.532	0.566	**0.777**	± 0.300	0.089	**1.094**	± 0.632	0.674	CAATTTTAACAGTCGAAGAAGGCAAACCTTCTTCTCACAAAGCTATTGGGT
chromosome	50110	IG 9		**1.622**	± 2.645	0.725	**1.087**	± 1.484	0.928	**1.792**	± 2.033	0.489	**1.696**	± 2.608	0.440	AATTATTTTTCTTTCAAATTGTTTTCTTTAATTTCATTAATATTAGCATCT
chromosome	65791	BB_0071		**0.796**	± 0.509	0.663	**1.150**	± 1.206	0.847	**0.810**	± 0.760	0.670	**1.055**	± 0.876	0.621	TAAAAAACCTAAAAAACGCACCATTTATTTTTTCCTATGCTAAAAATAGCA
chromosome	66472	BB_0071		**0.508**	± 0.579	0.350	**0.227**	± 0.166	0.042	**0.097**	± 0.107	0.079	**0.176**	± 0.306	0.024	TAGAGCTGTGAATGTAAATAAAAATAGTAAGTGTTTTATTTTTGTCATTAG
chromosome	66781	BB_0071		**1.282**	± 0.438	0.411	**0.987**	± 0.837	0.982	**0.575**	± 0.244	0.110	**0.619**	± 0.202	0.187	CTTTGATTATTTAAATCCTAATAACATTTATATAATGCTGGGATACAACAA
chromosome	81398	BB_0085		**0.576**	± 0.184	0.089	**0.471**	± 0.395	0.304	**0.733**	± 0.280	0.080	**0.852**	± 0.360	0.073	GTTCTCCTTAAAGGCTTATAGCTTTCCAAACTATCTTTTAATGATTTGTAT
chromosome	81970	BB_0086		**0.588**	± 0.564	0.088	**0.879**	± 0.840	0.653	**0.796**	± 0.522	0.182	**1.223**	± 0.885	0.410	ATATAATCTTTTTCAATTATTGATTGGGGTTTAGTATTTGTTCTTGGGGGG
chromosome	81973	BB_0086		**0.400**	± 0.357	0.042	**0.730**	± 0.728	0.055	**0.745**	± 0.558	0.052	**0.926**	± 0.696	0.453	TAGATTATGACTTTAAAAACATAAAAGGACAACAAAGAGCAAAAAGAGCAA
chromosome	84019	IG 10		**0.420**	± 0.566	0.379	**0.142**	± 0.152	0.093	**0.365**	± 0.305	0.191	**0.441**	± 0.464	0.149	CCTTTAAAAATTAAAAACAAATTTAATTATCATTGGATTTTAGAACCGCAA
chromosome	95635	BB_0098		**0.441**	± 0.501	0.472	**0.833**	± 1.341	0.342	**0.693**	± 1.076	0.221	**0.553**	± 0.616	0.545	ATTCTTATGTTTTAATATCAACTCATTATAATGCTCTTAAATATTTTGCAT
chromosome	96334	BB_0098		**1.177**	± 0.677	0.351	**1.581**	± 0.842	0.112	**0.889**	± 0.423	0.242	**1.084**	± 0.568	0.466	GACTTAAGAGCAAGGGTATATTTATTCGATTTATAACAAACAAAATTAGAA
chromosome	96794	BB_0098		**0.883**	± 0.304	0.667	**1.717**	± 0.841	0.308	**0.856**	± 0.304	0.613	**1.393**	± 0.651	0.452	AGTCTGATTAGAATGCTTTTTGAAAGTTGCAAAGGATATCCAAATTCTTTT
chromosome	100456	BB_0102		**0.314**	± 0.324	0.293	**0.739**	± 0.840	0.231	**0.287**	± 0.295	0.285	**1.110**	± 1.200	0.901	TATTGGAATTTATATTTTTTTCGCTGTTTGTATCTCTTTTTAAAATTGATT
chromosome	100459	BB_0102		**0.802**	± 0.861	0.070	**3.422**	± 3.417	0.287	**0.808**	± 0.725	0.700	**1.250**	± 1.011	0.274	TACATACAAAAATCAAAAAAAATTAATTACCCCAACAGAAATTTAGGCAAT
chromosome	100508	BB_0102		**1.176**	± 0.282	0.425	**1.698**	± 0.874	0.221	**1.066**	± 1.223	0.941	**1.238**	± 0.321	0.383	TTGCCTAAATTTCTGTTGGGGTAATTAATTTTTTTTGATTTTTGTATGTAT
chromosome	100723	BB_0102		**0.076**	± 0.115	0.171	**1.635**	± 2.625	0.699	**1.830**	± 1.577	0.284	**6.197**	± 6.815	0.212	TTAAAGTGTATCCCTTTGTTTTTAGCATTTTAATTATTATTCCTAGATTAT
chromosome	108273	IG 11		**1.584**	± 1.622	0.343	**1.892**	± 2.045	0.348	**2.445**	± 2.309	0.168	**2.189**	± 1.844	0.266	TTTAATAAACAAGCTAAAATGTTATAATTTTAAAATGCGGTTTAAAAAAAT
chromosome	108498	BB_0110		**1.132**	± 0.555	0.561	**2.065**	± 1.479	0.250	**0.831**	± 0.378	0.412	**1.401**	± 0.459	0.091	TGTTTCAAAATACAATTTTATAATAAATTTAGAAGCACACATGTTAACCTA
chromosome	108858	BB_0110		**0.872**	± 1.069	0.677	**0.921**	± 1.342	0.900	**0.023**	± 0.029	0.085	**0.318**	± 0.330	0.049	ATTTTCTAAATTTAAAAAATTCATGTAAGAGTAATTTAGAGCAAAGCTTAA
chromosome	109402	BB_0110		**0.271**	± 0.115	0.080	**0.507**	± 0.422	0.335	**0.890**	± 0.420	0.057	**1.027**	± 0.468	0.792	ATTTCGGGATTATTTTTTGCCTATAATCAAAACAATAAAGATATCAAAAGC
chromosome	109566	BB_0110		**2.215**	± 1.599	0.034	**3.619**	± 3.286	0.233	**1.584**	± 1.140	0.328	**1.894**	± 1.554	0.424	TTCAAAAGTTAACTATATTCCTATAGCTTATAACTTAGATGAAAAAAAATT
chromosome	109591	BB_0110		**2.076**	± 1.541	0.164	**1.925**	± 2.300	0.595	**1.008**	± 0.954	0.985	**1.548**	± 1.057	0.295	GCTTATAACTTAGATGAAAAAAAATTAGAAAAACATTCTATTAACTTTAAT
chromosome	113343	BB_0116		**0.811**	± 0.211	0.374	**0.718**	± 0.630	0.477	**0.938**	± 0.409	0.837	**1.591**	± 0.900	0.395	TCTGAAAATCAAAGTATCTATAAAGCCAACTAAAAGTAAAATAATAAAGAG
chromosome	114678	IG 12		**1.032**	± 0.829	0.901	**1.396**	± 1.038	0.464	**0.423**	± 0.375	0.179	**0.843**	± 0.773	0.764	AGTAAAGTTTTTTTTTGCAAAAAAAGCTTTATAATAAAATAGTGTTTGCTG
chromosome	114972	BB_0117		**0.980**	± 1.049	0.979	**1.817**	± 2.090	0.588	**0.925**	± 1.175	0.926	**0.708**	± 1.141	0.698	AATCTTTTTTCTTAAGAGTAGATATTGTAACAAGAATTGTTGTTCCAATGA
chromosome	115017	BB_0117		**0.963**	± 0.427	0.912	**1.307**	± 0.592	0.479	**0.642**	± 0.268	0.281	**1.113**	± 0.505	0.578	ATAGGGTCATTGAAAATCCGTAAATCAAGAATACAACTACATGTAAATCTT
chromosome	120706	IG 13		**0.734**	± 0.498	0.599	**1.671**	± 1.192	0.448	**0.576**	± 0.368	0.387	**0.912**	± 0.559	0.853	TTTTTAATGAGGTGGACTTATTAATTGGATTGTTTTATTATATTCTTATAA
chromosome	131253	IG 14		**0.246**	± 0.158	0.069	**0.505**	± 0.482	0.420	**0.579**	± 0.308	0.201	**0.766**	± 0.400	0.163	TATTATAATATTAAAAAGAAAATTGTGGAGTCAAATTCTAGCTATATGGAA
chromosome	132171	BB_0134		**0.309**	± 0.332	0.081	**0.754**	± 1.020	0.712	**0.178**	± 0.197	0.195	**0.218**	± 0.401	0.220	TTGATGGATCTTTTTTAATATCTTTTAGGTTTAGATGTTCATTAAAGCTAA
chromosome	132234	BB_0134		**1.266**	± 1.021	0.638	**1.441**	± 2.043	0.755	**0.921**	± 0.755	0.756	**2.252**	± 1.986	0.196	TGTTATCTTTTTTTTCGATATTATTTACTACTCCTTCCCATTTTACATACA

chromosome	137924	BB_0138		**2.286**	± 1.902	0.067	**2.076**	± 2.562	0.336	**0.735**	± 0.651	0.335	**1.566**	± 1.629	0.340	AAATATTTTTTTAAACTTTGTTTTGATTTTTTAGGTTTTTATTAATTGATC
chromosome	139215	BB_0140		**2.297**	± 2.104	0.260	**5.910**	± 4.893	0.147	**1.662**	± 1.366	0.512	**1.918**	± 1.379	0.386	CATTTTCTTGCAGGAGAAAAGCTTTCTATTTTTGCTGCAATTGGTATGCTT
chromosome	139328	BB_0140		**1.018**	± 0.330	0.761	**1.229**	± 0.542	0.457	**0.728**	± 0.261	0.073	**1.056**	± 0.287	0.757	TGATGGCTATTATTGTTGTGTTTGGTATTATGGCTTCTCAATTTGAATCTT
chromosome	139335	BB_0140		**0.782**	± 0.345	0.404	**1.567**	± 0.685	0.077	**0.653**	± 0.294	0.264	**1.006**	± 0.455	0.935	ATCATTATGATGGCTATTATTGTTGTGTTTGGTATTATGGCTTCTCAATTT
chromosome	139375	BB_0140		**1.818**	± 2.185	0.261	**1.312**	± 1.800	0.812	**1.147**	± 1.416	0.887	**0.664**	± 0.801	0.704	TTCTCCTTCAACCTTAAGAGTTATGCCTTCTTTATGGGGCACCTTATTATT
chromosome	139421	BB_0140		**0.562**	± 0.530	0.196	**0.852**	± 0.808	0.814	**1.095**	± 0.751	0.812	**0.638**	± 0.428	0.081	TTATTAATAAAATCTACAACTTTTGCGGTTACTTGGGTTAAATTATCATCT
chromosome	140094	BB_0140		**1.183**	± 1.074	0.706	**1.899**	± 1.553	0.245	**0.826**	± 0.701	0.723	**1.523**	± 1.273	0.505	TTCTATCAGCACGCAAAGTAGCAATAATACTTTTATATCCTTTAGCCTCAC
chromosome	140120	BB_0140		**1.278**	± 1.890	0.842	**2.000**	± 2.716	0.346	**1.301**	± 1.667	0.573	**0.588**	± 0.838	0.580	ATACTTTTATATCCTTTAGCCTCACTTTTTACAATTTCTAAAAATCTATTA
chromosome	141502	BB_0140		**0.212**	± 0.357	0.362	**1.534**	± 2.475	0.492	**0.498**	± 0.788	0.537	**1.009**	± 1.898	0.995	TCTTTTAAGCTCAGAAACTGGCCTTACAGAATTAATAACAATTTCCATTAC
chromosome	141724	BB_0140		**0.669**	± 0.330	0.279	**0.608**	± 0.553	0.446	**0.644**	± 0.218	0.202	**0.943**	± 0.293	0.781	TATATTTTTTAAATTCTTTACCGAACTCAAGCCACTCTCAAGGACTCTAGA
chromosome	142878	BB_0141		**0.705**	± 0.804	0.623	**0.343**	± 0.474	0.142	**0.449**	± 0.606	0.308	**0.782**	± 1.003	0.835	TTCTTAGTTTTAGTTGCTTGTGTTGGTGATAACAAGCTAGATGACAAAAAT
chromosome	142908	BB_0141		**1.215**	± 0.558	0.550	**1.710**	± 0.761	0.131	**1.010**	± 0.521	0.970	**1.269**	± 0.701	0.192	AATTAATATTAAAAATCAAATTCATCAAAATACCTCTTAGTCTAATGAATT
chromosome	143234	BB_0142		**1.243**	± 1.093	0.511	**1.315**	± 1.462	0.695	**0.733**	± 0.441	0.482	**0.308**	± 0.391	0.180	CAAAACAATGTTGAAGGTAAAATCAGGAATTTAAAATCTAGTATTGTGCAA
chromosome	143828	BB_0142		**1.039**	± 0.410	0.823	**1.649**	± 1.183	0.398	**0.703**	± 0.136	0.008	**0.969**	± 0.241	0.648	GCTTGATATTACGAACAGCACTCTCCCTTTCTATTTTTGCGCTTTCATATT
chromosome	143861	BB_0142		**2.514**	± 3.015	0.038	**1.931**	± 2.232	0.008	**0.685**	± 1.114	0.098	**2.089**	± 2.625	0.448	TTTTTGCGCTTTCATATTCCAACATAACAAGTTGCATTCTCTTTAAAACAG
chromosome	144506	BB_0143		**1.641**	± 2.176	0.585	**1.414**	± 1.446	0.130	**1.309**	± 1.857	0.766	**1.321**	± 1.250	0.613	ACGCATTATTCAAAGGGGGAAACGATTTTACTCCTAAATACAAACCCATTT
chromosome	150942	IG 15		**0.001**	± 0.001	0.031	**0.379**	± 0.365	0.067	**0.526**	± 0.337	0.018	**0.467**	± 0.181	0.123	GTAAAATAAAATAAATAAAAGGAAAATAAAAAATGCCAAATTTTTGCTTAT
chromosome	157593	BB_0155		**0.375**	± 0.385	0.177	**0.293**	± 0.270	0.175	**0.668**	± 0.647	0.477	**0.479**	± 0.338	0.316	ATTTTAATAATGCATTTAAATTCCACCAGTAAACACTAACACCAGTTTTTC
chromosome	157950	BB_0156		**1.110**	± 0.727	0.595	**1.160**	± 0.559	0.557	**1.002**	± 0.476	0.995	**1.157**	± 0.716	0.512	TGTTGTAAAGTTTTTGCTGCTTATATAAAGCAAATTGCTTTCAATTAATTT
chromosome	157960	BB_0156		**0.434**	± 0.447	0.282	**0.929**	± 0.977	0.915	**0.648**	± 0.473	0.256	**1.004**	± 0.690	0.989	TATTAGCATATGTTGTAAAGTTTTTGCTGCTTATATAAAGCAAATTGCTTT
chromosome	157993	BB_0156		**0.903**	± 0.324	0.600	**1.196**	± 0.276	0.368	**0.867**	± 0.223	0.556	**1.150**	± 0.477	0.674	TTATACTTAATAAACTTTCATTTTGATAGATTATATTAGCATATGTTGTAA
chromosome	157996	BB_0156		**0.665**	± 0.613	0.336	**0.514**	± 0.426	0.243	**0.701**	± 0.676	0.232	**1.138**	± 1.110	0.786	TTAAAGAGTAATGGCAATAATAATGTCTTTTATAGTAAAAGAATAAAACCT
chromosome	158214	BB_0157		**0.310**	± 0.238	0.079	**0.305**	± 0.173	0.106	**0.280**	± 0.173	0.147	**0.407**	± 0.242	0.122	ATCCAAAAATGCTTTTTACCTTTTTATTATCGTTTATTAAATTTACAAAAT
chromosome	158431	BB_0157		**0.260**	± 0.314	0.056	**0.636**	± 0.629	0.470	**0.836**	± 0.680	0.752	**1.247**	± 0.684	0.504	TAGGAATAATTCATTTTTTAGCAGCAGAAATACCTTTATTGTAAGATATTG
chromosome	158548	IG 16		**1.175**	± 0.729	0.574	**1.687**	± 1.070	0.269	**0.934**	± 0.446	0.570	**1.257**	± 0.596	0.317	GAATGCTAATGTCAAAGTCAAGTCGCTTTTGGTTTTATTTAAAATTGCATT
chromosome	158769	BB_0158		**0.563**	± 0.893	0.674	**1.239**	± 1.890	0.584	**0.207**	± 0.403	0.396	**0.562**	± 0.594	0.568	ATATCAGGCAAAATTTCAAATAAAAAATTGCCAATCATAAATAGTAATCAT
chromosome	159201	BB_0158		**0.909**	± 0.165	0.311	**1.602**	± 0.840	0.330	**0.867**	± 0.171	0.146	**1.117**	± 0.268	0.409	ACTGTCAAAAATAAACTTACTCAAGAAACTAAAATTTATAAAATTTCTCTT
chromosome	159465	BB_0159		**0.804**	± 0.701	0.543	**1.230**	± 1.429	0.773	**0.240**	± 0.255	0.069	**0.713**	± 0.488	0.045	TAATTTTCGTTTTCGAAGATATTAATTTCGTTTTCAGAAAAGCTATTTTTA
chromosome	159613	BB_0159		**0.667**	± 0.588	0.389	**0.771**	± 0.629	0.576	**0.185**	± 0.323	0.083	**0.190**	± 0.049	0.014	TTCATTTATAAATGTATTTTCAAAAATTGGATCTTCTGCTATTATTTCATT
chromosome	159762	BB_0159		**0.670**	± 0.378	0.176	**1.751**	± 1.944	0.556	**0.760**	± 0.330	0.413	**0.918**	± 0.544	0.732	CTAGTGGAAAACAGCAATCAAAAAAAGAGCTTGCAAAAGACGCTTACTCAT
chromosome	160086	IG 17		**1.087**	± 0.744	0.576	**1.560**	± 1.551	0.415	**0.847**	± 0.472	0.306	**1.008**	± 0.682	0.915	GCTCTCTTAGAGAAGTAAAAATCTTTTTTCTATTAATTTGTAGTTTATTCT
chromosome	161965	BB_0161		**0.732**	± 0.664	0.465	**0.498**	± 0.613	0.221	**0.801**	± 1.392	0.809	**0.124**	± 0.194	0.039	TTACAAGGAATATAATTACGACAATAATAATAATTTAACAATCAGTCAAAA
chromosome	162049	BB_0161		**0.524**	± 0.630	0.279	**0.307**	± 0.462	0.093	**0.021**	± 0.037	0.004	**0.519**	± 0.767	0.355	TGATATTAATAACAACTTGACTCCTGATGAAAATAATGTAGCAATTTATCG
chromosome	162108	BB_0161		**0.723**	± 0.335	0.036	**1.049**	± 0.550	0.535	**0.828**	± 0.399	0.069	**1.046**	± 0.617	0.727	CAGAAAATGGATTTGAAACAGCATAAGCCGATTTATCAAGATATTCCTCTT
chromosome	162161	BB_0161		**0.322**	± 0.146	0.071	**0.724**	± 0.422	0.328	**0.579**	± 0.475	0.248	**0.612**	± 0.837	0.327	TTAAAGAGGAATATCTTGATAAATCGGCTTATGCTGTTTCAAATCCATTTT
chromosome	162247	BB_0161		**0.289**	± 0.284	0.085	**1.031**	± 0.622	0.952	**0.997**	± 0.490	0.995	**0.812**	± 0.204	0.403	CAAAACCGTTTTAACAAATTTGGTATGATCGTAGCTGATCTTTGTAAAATA
chromosome	163768	BB_0163		**2.425**	± 1.579	0.260	**3.166**	± 2.335	0.246	**1.015**	± 0.351	0.950	**0.646**	± 0.315	0.194	CAAGCCTTTTGCATATGAGTTTTTTTTAGAAGAATATGAAAAGGTTTTGAA
chromosome	164876	IG 18		**0.669**	± 1.122	0.710	**1.292**	± 1.184	0.727	**0.741**	± 0.482	0.201	**0.466**	± 0.299	0.173	ACAAGTCAAAATTAAGATCAAATAATCAATAAAAGTTAAATAACATTAAAT
chromosome	164996	BB_0164		**0.701**	± 0.381	0.349	**1.225**	± 0.395	0.505	**0.888**	± 0.259	0.242	**1.187**	± 0.431	0.439	GTGGTTAAATTTAAAGGGGTTTTTGGTAGGGGCATTTCTTTAATTTTTTTG
chromosome	166288	BB_0165		**0.667**	± 1.028	0.337	**0.790**	± 1.051	0.844	**0.511**	± 0.663	0.504	**0.840**	± 1.184	0.615	TTAGTAGGAAACCAGCCATTGTACCCATAAATATCAACAGAAATAGGAACA
chromosome	167086	BB_0165		**1.692**	± 0.777	0.241	**2.184**	± 2.025	0.312	**0.625**	± 0.517	0.479	**0.860**	± 0.808	0.811	GATAAGTCTAAAATACGTATTATTTGCTTTTTGAAAGGAAAAGATATTTTT
chromosome	167250	BB_0165		**0.780**	± 0.384	0.297	**1.140**	± 0.946	0.681	**0.617**	± 0.389	0.148	**0.891**	± 0.513	0.447	ATATCCTGCACCTAAATAAATCTGCGGAATCAAACGATTTAAATTTTTAAA
chromosome	167772	IG 19		**0.996**	± 0.423	0.973	**1.921**	± 1.919	0.424	**0.749**	± 0.407	0.109	**0.973**	± 0.468	0.841	CTTGCAAATGAAAAAATATTAAATAACAGTGATTTTTATTTGCACAATTAG
chromosome	168894	BB_0166	*malQ*	**0.985**	± 0.389	0.931	**2.279**	± 1.425	0.230	**0.886**	± 0.406	0.472	**1.266**	± 0.500	0.372	AAAGCATTCTTTGACTCTTTAAAAAAATATTCTTTAAACGCAACAAAACTT
chromosome	169313	BB_0166	*malQ*	**0.803**	± 0.714	0.293	**1.088**	± 1.094	0.781	**0.603**	± 0.453	0.513	**1.164**	± 0.911	0.812	TGGCATTGGAGATTTAGGGAAAGGAGCTTATAAATTTATAGATTTTTTGTT
chromosome	169316	BB_0166	*malQ*	**0.773**	± 0.255	0.350	**2.162**	± 0.987	0.052	**1.348**	± 0.806	0.584	**2.694**	± 2.083	0.243	TTTAGATGGTAAAGAGCTTATGTTAAGCAAAATACCACTTTTTCTTTTTAA
chromosome	169456	IG 20		**1.153**	± 1.275	0.796	**0.992**	± 0.993	0.993	**0.831**	± 1.180	0.879	**1.510**	± 1.395	0.634	ATAAATATCAGATCAGAACAACATATTAAATAGCAATTTTAAAAAAAATTA
chromosome	170029	BB_0167		**1.004**	± 0.866	0.967	**0.911**	± 0.832	0.703	**0.878**	± 0.830	0.248	**0.953**	± 0.950	0.511	ACTACGAATATAAAGGCAAAGAAGAGCACAATGGCAAGCATTACCACATAA
chromosome	170293	BB_0167		**1.496**	± 0.964	0.452	**1.226**	± 0.920	0.544	**0.775**	± 0.495	0.575	**1.283**	± 0.927	0.699	AGATTATCATTTGGAAGCTCAATTGAAACTATTCTGCCAAGAGAGTTTCCA

chromosome	170487	BB_0167		**1.240**	± 0.936	0.267	**1.623**	± 0.993	0.317	**1.209**	± 1.043	0.596	**0.702**	± 0.673	0.499	CTAATAGAAGGACATACTGAGCAATTTGGATTGGAAGAAGAGATGCACGAG
chromosome	170538	BB_0167		**1.933**	± 0.687	0.025	**1.433**	± 0.523	0.261	**1.247**	± 0.550	0.378	**1.357**	± 0.666	0.063	GCTCGTGCATCTCTTCTTCCAATCCAAATTGCTCAGTATGTCCTTCTATTA
chromosome	170614	BB_0167		**0.619**	± 0.450	0.154	**1.185**	± 0.869	0.690	**0.593**	± 0.299	0.052	**0.945**	± 0.485	0.786	AATAGTATTTGGTCTTTGTCTTTTACTTTCATTTTTATTAAATAATTTCCA
chromosome	191551	BB_0194		**0.544**	± 0.120	0.011	**1.097**	± 0.326	0.692	**0.657**	± 0.227	0.118	**1.000**	± 0.330	0.999	TAATAGCTTTAAAGATCTTTTATTGCTGCATTAAATTTTATTTATAATTAT
chromosome	192220	BB_0194		**0.674**	± 0.568	0.152	**0.881**	± 0.301	0.618	**0.486**	± 0.155	0.105	**0.938**	± 0.357	0.746	CATTATTAATGAATGTTTTAAAAACGGCTTTTCTTATTTTCTTGATGTTGG
chromosome	202795	IG 21		**1.125**	± 0.738	0.485	**1.436**	± 0.780	0.365	**0.507**	± 0.294	0.273	**1.151**	± 0.972	0.420	CTTAAGGACATAACTTAAAGCATTTTTATTAAAGATAAATTAAAATAATAC
chromosome	202799	IG 22		**0.436**	± 0.316	0.141	**1.357**	± 0.637	0.180	**0.428**	± 0.308	0.252	**1.248**	± 0.711	0.680	AGGACATAACTTAAAGCATTTTTATTAAAGATAAATTAAAATAATACATAT
chromosome	202829	IG 23		**0.702**	± 0.595	0.494	**0.650**	± 0.561	0.412	**1.534**	± 0.320	0.107	**1.700**	± 0.342	0.054	TCTTTAATAAAAATGCTTTAAGTTATGTCCTTAAGTATAAAAATATTTTTG
chromosome	202846	IG 24		**0.587**	± 0.443	0.480	**0.665**	± 0.668	0.645	**0.796**	± 0.459	0.391	**0.961**	± 0.517	0.862	TGTATTATTTTAATTTATCTTTAATAAAAATGCTTTAAGTTATGTCCTTAA
chromosome	202849	IG 25		**0.075**	± 0.134	0.065	**0.059**	± 0.060	0.071	**0.300**	± 0.287	0.153	**0.488**	± 0.430	0.004	TATGCTAGAATTAATCATAATACTACTATTTATAATATTATCTGCTATTTT
chromosome	202851	BB_0202		**0.442**	± 0.290	0.118	**0.554**	± 0.469	0.291	**0.846**	± 0.243	0.204	**1.023**	± 0.320	0.851	TGCTAGAATTAATCATAATACTACTATTTATAATATTATCTGCTATTTTCT
chromosome	202865	BB_0202		**0.404**	± 0.734	0.470	**0.000**	± 0.000	0.088	**0.374**	± 0.679	0.429	**0.846**	± 1.426	0.780	TGATTAATTCTAGCATATATGTATTATTTTAATTTATCTTTAATAAAAATG
chromosome	202871	BB_0202		**1.014**	± 0.483	0.967	**0.741**	± 0.631	0.564	**1.054**	± 0.147	0.451	**1.242**	± 0.270	0.223	CTACTATTTATAATATTATCTGCTATTTTCTCAGCATCTGAAACAGCTTAT
chromosome	202874	BB_0202		**0.481**	± 0.172	0.117	**0.690**	± 0.587	0.553	**0.898**	± 0.203	0.352	**1.071**	± 0.276	0.035	CTATTTATAATATTATCTGCTATTTTCTCAGCATCTGAAACAGCTTATACT
chromosome	202896	BB_0202		**0.480**	± 0.409	0.069	**0.952**	± 0.930	0.849	**1.185**	± 0.921	0.564	**1.387**	± 0.855	0.233	TTTTCTCAGCATCTGAAACAGCTTATACTTCATTAAGCATAATTCAGATAC
chromosome	202921	BB_0202		**0.397**	± 0.225	0.132	**0.365**	± 0.305	0.206	**0.696**	± 0.300	0.051	**0.754**	± 0.361	0.020	TACTTCATTAAGCATAATTCAGATACAAGACATAAGAAAAAAGGGGAAATC
chromosome	202955	BB_0202		**0.461**	± 0.346	0.196	**0.449**	± 0.439	0.406	**0.772**	± 0.566	0.373	**0.932**	± 0.726	0.594	AGAAAAAAGGGGAAATCGGGAATATCCGTGTACAATTTGGTTCAATCTCCT
chromosome	202976	BB_0202		**0.448**	± 0.219	0.211	**0.483**	± 0.464	0.408	**0.775**	± 0.381	0.361	**0.907**	± 0.455	0.600	TTCCCGATTTCCCCTTTTTTCTTATGTCTTGTATCTGAATTATGCTTAATG
chromosome	203025	BB_0202		**0.471**	± 0.212	0.189	**0.483**	± 0.430	0.389	**0.857**	± 0.557	0.038	**1.048**	± 0.679	0.589	TTCTTATCGGCAACAATATATCAAACATTGTAGCAAGCACACTTACAACAA
chromosome	203057	BB_0202		**0.220**	± 0.144	0.033	**0.682**	± 0.630	0.503	**0.548**	± 0.355	0.295	**0.981**	± 0.288	0.705	GCAAGCACACTTACAACAAAATTTGTACTTGAAAAATACGGAAACAGCGCA
chromosome	203067	BB_0202		**0.594**	± 0.188	0.185	**0.589**	± 0.514	0.460	**0.894**	± 0.315	0.324	**1.007**	± 0.473	0.951	AGTGTGCTTGCTACAATGTTTGATATATTGTTGCCGATAAGAATAGTAGTA
chromosome	203255	BB_0202		**0.577**	± 0.201	0.082	**0.660**	± 0.419	0.422	**0.915**	± 0.218	0.200	**0.841**	± 0.391	0.316	TTAGTGGAGTAAATATAAAAATTAATGGCTTTAAAAAAAATGAAGTAGATA
chromosome	203260	BB_0202		**0.544**	± 0.194	0.120	**0.607**	± 0.528	0.496	**0.661**	± 0.318	0.045	**0.978**	± 0.646	0.920	TATAATAAACAAAATCATAAAAAAAAATATTAAATCTCTTTAAAGTTAAGAC
chromosome	203310	BB_0202		**0.389**	± 0.158	0.129	**0.486**	± 0.436	0.374	**0.907**	± 0.554	0.172	**1.020**	± 0.708	0.914	GTCTTAACTTTAAAGAGATTTAATATTTTTTTTATGATTTTGTTTATTATA
chromosome	203426	BB_0202		**0.412**	± 0.212	0.204	**0.559**	± 0.584	0.484	**0.920**	± 0.521	0.663	**0.594**	± 0.266	0.280	CTTGATCTATATCTAACATTTTTTGCATAAATATTCTAGAGTCATTTTTTA
chromosome	203501	BB_0202		**0.296**	± 0.393	0.328	**0.816**	± 1.278	0.851	**1.279**	± 1.495	0.797	**0.822**	± 0.862	0.800	ATCAAATTGATCAAAGAAGAAGGATACTCTAGAATTCCTATATACAAAGGA
chromosome	203538	BB_0202		**0.420**	± 0.296	0.207	**0.653**	± 0.623	0.595	**0.749**	± 0.359	0.291	**0.798**	± 0.468	0.283	GGAATTCTAGAGTATCCTTCTTCTTTGATCAATTTGATTACATCTTTTAGC
chromosome	203545	BB_0202		**0.441**	± 0.212	0.130	**0.480**	± 0.445	0.394	**0.904**	± 0.523	0.286	**1.057**	± 0.599	0.343	CAAAGGACAAAGCAGAGAACAGATAATTGGGATTTTAATAGCCAAAGACCT
chromosome	203690	BB_0202		**0.477**	± 0.156	0.102	**0.388**	± 0.344	0.236	**0.822**	± 0.304	0.182	**1.246**	± 0.559	0.060	CTAGATATTATGAGGAAAAAACAAAAAATAATGGCAATCGTAATCGATGAA
chromosome	203697	BB_0202		**0.525**	± 0.180	0.132	**0.510**	± 0.459	0.327	**0.913**	± 0.483	0.741	**1.104**	± 0.761	0.835	TTATGAGGAAAAAACAAAAAATAATGGCAATCGTAATCGATGAATATGGTG
chromosome	203768	BB_0202		**0.566**	± 0.658	0.479	**1.180**	± 1.681	0.887	**1.080**	± 1.198	0.703	**1.805**	± 1.508	0.068	TTGTAAGTATCCCTGAAAAACCACCATATTCATCGATTACGATTGCCATTA
chromosome	203771	BB_0202		**0.562**	± 0.462	0.206	**0.719**	± 0.663	0.494	**0.969**	± 0.151	0.786	**1.347**	± 0.453	0.324	GAAGACATAGTAGAAAAAATTTTTGGAGCAATATCTGACGAATACGACATT
chromosome	203801	BB_0202		**0.500**	± 0.196	0.143	**0.596**	± 0.540	0.497	**0.994**	± 0.513	0.584	**1.047**	± 0.486	0.361	TTGCTCCAAAAATTTTTTCTACTATGTCTTCTATTGTAAGTATCCCTGAAA
chromosome	203804	BB_0202		**0.817**	± 0.647	0.567	**0.806**	± 0.735	0.442	**1.053**	± 0.606	0.839	**1.485**	± 1.239	0.624	TCTGACGAATACGACATTAAAGAGGAAAAGCCTCTGATTACTCAAATCAAC
chromosome	203823	BB_0202		**0.489**	± 0.225	0.135	**0.550**	± 0.453	0.439	**0.785**	± 0.447	0.115	**1.020**	± 0.626	0.818	AAGAGGAAAAGCCTCTGATTACTCAAATCAACGACAATACTTACTCAATAC
chromosome	203844	BB_0202		**0.464**	± 0.149	0.097	**0.550**	± 0.445	0.395	**0.865**	± 0.399	0.031	**1.011**	± 0.475	0.562	CTCAAATCAACGACAATACTTACTCAATACTTGGAGAAACTACTTTTGACG
chromosome	203859	BB_0202		**0.280**	± 0.133	0.060	**0.170**	± 0.299	0.130	**0.875**	± 0.660	0.551	**1.208**	± 0.585	0.359	TTGTCGTTGATTTGAGTAATCAGAGGCTTTTCCTCTTTAATGTCGTATTCG
chromosome	203863	BB_0202		**0.469**	± 0.196	0.183	**0.532**	± 0.489	0.433	**0.909**	± 0.450	0.387	**1.065**	± 0.591	0.063	AGTATTGTCGTTGATTTGAGTAATCAGAGGCTTTTCCTCTTTAATGTCGTA
chromosome	203866	BB_0202		**0.161**	± 0.114	0.042	**0.279**	± 0.294	0.008	**0.637**	± 0.631	0.536	**1.181**	± 1.570	0.880	CTCAATACTTGGAGAAACTACTTTTGACGAGATTGAAGAGGCAATTGGGAT
chromosome	203963	BB_0202		**0.421**	± 0.261	0.170	**0.247**	± 0.220	0.098	**1.043**	± 0.603	0.828	**1.097**	± 1.124	0.867	ATAGATCTGCTTGACAAAATACCAACAAAAAACGAAACCGTAAAAACAAAT
chromosome	203966	BB_0202		**0.418**	± 0.169	0.135	**0.697**	± 0.619	0.631	**0.813**	± 0.347	0.553	**1.110**	± 0.499	0.294	GATCTGCTTGACAAAATACCAACAAAAAACGAAACCGTAAAAACAAATGAT
chromosome	204236	BB_0203	*hflK*	**1.022**	± 0.718	0.951	**0.806**	± 0.141	0.246	**0.573**	± 0.213	0.110	**0.310**	± 0.200	0.078	TGAATATGTTTGCAATAACTATTATTGATATTAGTATCAGGGTAATAATAA
chromosome	204383	BB_0203	*hflK*	**0.966**	± 0.149	0.041	**1.003**	± 0.369	0.986	**0.781**	± 0.216	0.121	**1.033**	± 0.293	0.812	GAAATCCAAATTTAATTTCTTGGACTATTTTTACAGGTACGATAAATTTTT
chromosome	204788	BB_0203	*hflK*	**0.733**	± 0.368	0.115	**0.656**	± 0.368	0.424	**0.495**	± 0.358	0.069	**0.599**	± 0.543	0.033	TGTATTTATTTTTGTCTTGAATTGCAATGTTTACATCTTCAAAAGCTTCAT
chromosome	204791	BB_0203	*hflK*	**0.447**	± 0.432	0.125	**0.823**	± 0.725	0.674	**0.714**	± 0.311	0.140	**0.827**	± 0.165	0.217	AACGAAGGGAGAAAAGAATTTAATCAAATAGTTCCCAAAATCAAAGGTGAA
chromosome	204855	BB_0203	*hflK*	**0.864**	± 0.811	0.791	**0.979**	± 0.833	0.974	**0.785**	± 0.649	0.715	**0.245**	± 0.263	0.247	TTGAAGAAGCTAGAGGATATAAAGAAAGCAGAATAAACAATGCATTAGCAG
chromosome	205530	BB_0204	*hflC*	**0.714**	± 0.420	0.221	**1.255**	± 0.644	0.325	**0.734**	± 0.398	0.309	**1.155**	± 0.615	0.435	TTCAACGTTTGTCTAATGGAATACTCACCCCACAAGAAACAAAAATTAACG
chromosome	206092	IG 26		**1.277**	± 1.348	0.749	**2.109**	± 1.404	0.195	**1.046**	± 0.706	0.897	**1.367**	± 1.646	0.707	ATATATATTTTACAGGTATTTAAAGAAAAAATTTATACTAATAAACTTTCA
chromosome	206103	IG 27		**0.997**	± 1.157	0.998	**1.344**	± 0.752	0.480	**0.622**	± 0.241	0.110	**0.861**	± 0.373	0.708	ATAGATTAATAATATATATTTTACAGGTATTTAAAGAAAAAATTTATACTA

chromosome	209624	BB_0208		**1.366**	± 0.660	0.440	**1.447**	± 0.700	0.446	**0.557**	± 0.595	0.370	**0.852**	± 0.260	0.398	TAGCATTTCTTCCCAGCTTTACAAATTAGAAAAACCTGAAATAATTGAACT
chromosome	210000	BB_0208		**0.970**	± 0.347	0.670	**1.821**	± 1.424	0.307	**0.756**	± 0.253	0.171	**0.977**	± 0.305	0.894	TTGTTTGTTCTAGGCTGTCAATGTTAATATTGCTGGAAAAATTTAATATAA
chromosome	210003	BB_0208		**1.784**	± 1.413	0.465	**1.615**	± 0.305	0.064	**0.782**	± 0.573	0.452	**1.026**	± 0.939	0.959	GATATTCTGGTAGCTGTAAGAAACAGAAATAAAATTAAAATATTAAATATT
chromosome	210347	BB_0208		**1.116**	± 0.253	0.065	**2.044**	± 1.674	0.350	**0.738**	± 0.140	0.051	**1.059**	± 0.186	0.312	ATTAAAGCTAATATTTTTACTCGAACCTTTATAAAAAATTTCATTAAGACT
chromosome	210754	BB_0208		**1.075**	± 0.785	0.737	**1.655**	± 1.785	0.355	**0.661**	± 0.700	0.441	**1.802**	± 1.699	0.317	ATAAGGATAAAAAAATTTTTTGTCAACGCATGAAAGAATTTTTCAAATCTA
chromosome	210886	BB_0208		**0.666**	± 0.421	0.221	**1.540**	± 1.475	0.351	**0.730**	± 0.579	0.038	**1.512**	± 0.835	0.240	TATCAGACATACTACTCTACCTTGACGAAAATAAAATTACAATACCTAAAA
chromosome	210897	BB_0208		**0.600**	± 0.630	0.223	**0.316**	± 0.453	0.070	**0.999**	± 0.775	0.998	**0.451**	± 0.357	0.231	GTATGTCTGATATAAATTTGAAATGCTTATATTCAATATTTGGGTAAAAAG
chromosome	215548	BB_0211		**1.056**	± 0.592	0.806	**0.722**	± 0.447	0.574	**1.355**	± 0.801	0.279	**0.894**	± 0.554	0.641	CTAAAATTGAGGTTTTTCTTGAAGAAGGGGGAATTCAAAAAATCTTAATAA
chromosome	215595	BB_0211		**0.616**	± 0.330	0.344	**0.985**	± 0.548	0.966	**0.407**	± 0.191	0.077	**0.626**	± 0.329	0.160	TTAAGATTTTTTGAATTCCCCCTTCTTCAAGAAAAACCTCAATTTTAGTAG
chromosome	215802	BB_0211		**1.477**	± 0.260	0.016	**1.608**	± 1.273	0.462	**0.804**	± 0.184	0.338	**1.141**	± 0.226	0.499	GAAAATGGAATTGAAAAATGCTTTAAAAAACAACCCGCCATAAACGGAACA
chromosome	216112	BB_0211		**1.350**	± 1.189	0.164	**1.959**	± 2.185	0.319	**0.889**	± 0.636	0.716	**1.218**	± 0.935	0.760	TTGTCATGTTCTTTTTTTAAGACCCTAAATTTATTATTTTCTATTACATTT
chromosome	216163	BB_0211		**0.781**	± 0.812	0.308	**1.323**	± 1.458	0.501	**0.171**	± 0.129	0.096	**0.915**	± 0.620	0.857	AAAGACATATTAAAACATTTGTCAACAGAAGACCTATCGATCAAAAAGATC
chromosome	228894	BB_0224		**0.217**	± 0.105	0.058	**0.444**	± 0.384	0.305	**0.756**	± 0.337	0.252	**0.814**	± 0.441	0.016	TGTATATTGCTTTAATTACCAATACAATTGATATTGAAAAAATGAAAACAG
chromosome	228897	BB_0224		**0.545**	± 0.498	0.432	**0.324**	± 0.549	0.410	**0.946**	± 1.211	0.956	**1.206**	± 1.213	0.537	CATATTTAATAAAAAAGCTTTAATCTTAGATAAATTTAAATTATTTGCTTT
chromosome	228901	BB_0224		**0.029**	± 0.051	0.069	**0.749**	± 1.335	0.820	**0.921**	± 0.836	0.918	**1.022**	± 1.295	0.965	TTTAATAAAAAAGCTTTAATCTTAGATAAATTTAAATTATTTGCTTTAATG
chromosome	228925	BB_0224		**0.271**	± 0.150	0.082	**0.605**	± 0.591	0.011	**0.610**	± 0.401	0.090	**0.812**	± 0.481	0.354	GATAAATTTAAATTATTTGCTTTAATGCCGTCATTAATCGAATCACTATTC
chromosome	229045	BB_0224		**0.267**	± 0.090	0.057	**0.491**	± 0.410	0.294	**0.839**	± 0.376	0.025	**0.975**	± 0.418	0.845	ATACAATTGCCATTTTTAATGACAATTCCTTTTACTCTGCAAGAAATTATA
chromosome	229152	IG 28		**0.326**	± 0.231	0.050	**0.338**	± 0.400	0.227	**0.478**	± 0.291	0.188	**0.140**	± 0.124	0.062	ACAATTCCTCCTAAAAAAGAATAAATAATTGTTAAATCAGCTCGTTTATTC
chromosome	233085	BB_0228		**2.145**	± 0.950	0.108	**1.808**	± 1.198	0.407	**0.870**	± 0.474	0.655	**1.376**	± 0.848	0.507	TGTTAATATTGACATTGCTTTTTTCTTTTTTATAAGGCCTTATTATGTATT
chromosome	233934	BB_0228		**0.525**	± 0.279	0.039	**1.588**	± 1.218	0.519	**0.481**	± 0.698	0.408	**1.262**	± 0.503	0.008	AAAGAGCTAAATCTACATTCTTTTAAGTTTAAGAGTAACAATATTTTCAAT
chromosome	240121	BB_0235	*ychF*	**1.107**	± 0.295	0.677	**2.272**	± 2.083	0.401	**1.260**	± 0.966	0.718	**0.834**	± 0.596	0.515	GTAGAGATTCCCGATGAAAGGCTTTTAAAAATCTCAGAGTGCATTATTCCA
chromosome	246612	BB_0241	*glpK*	**0.588**	± 0.301	0.131	**0.912**	± 0.417	0.638	**0.778**	± 0.467	0.316	**1.037**	± 0.639	0.828	TCTATTGATCAAGGTACTACTAGCTCGAGAGCAATGGTATTTGATAAAAAT
chromosome	247035	BB_0241	*glpK*	**0.520**	± 0.380	0.141	**0.449**	± 0.267	0.125	**0.533**	± 0.344	0.255	**0.868**	± 0.507	0.772	GAAGGTGCCAGACAAAGAGCCGAAAATGGCGAATTATGCTTTGGAACAATA
chromosome	247090	BB_0241	*glpK*	**0.537**	± 0.335	0.359	**0.427**	± 0.506	0.432	**0.865**	± 0.687	0.670	**0.996**	± 0.673	0.982	CATGGATATTGTGGAACCTGACTCAAAAAAAAGAACATGCAACCGATTACT
chromosome	247989	BB_0241	*glpK*	**0.582**	± 0.579	0.192	**0.752**	± 0.720	0.310	**0.820**	± 0.761	0.657	**0.721**	± 0.611	0.572	GACAAGATATTTGAACCTTCAATGCCAAAAAATCAAAAAGAAAAGCTTCTT
chromosome	248193	BB_0242		**0.562**	± 0.242	0.155	**1.077**	± 0.565	0.286	**0.655**	± 0.360	0.066	**0.849**	± 0.504	0.250	TGTTGTTTTAGTTTCAAAAAATCAAATAAATTATGCATAATTTTGTTACCA
chromosome	248355	BB_0242		**0.016**	± 0.034	0.290	**1.242**	± 1.936	0.834	**0.548**	± 0.859	0.624	**0.349**	± 0.583	0.328	TTAATCATTTTTTGTATTGCTCCAATGAATTTTACCTTTTCAAAAGGTTTA
chromosome	248358	BB_0242		**0.848**	± 0.178	0.231	**1.618**	± 1.158	0.437	**0.575**	± 0.380	0.289	**0.622**	± 0.125	0.073	TTATTAATCATTTTTTGTATTGCTCCAATGAATTTTACCTTTTCAAAAGGT
chromosome	248421	BB_0242		**0.406**	± 0.617	0.122	**1.190**	± 1.331	0.681	**0.716**	± 0.872	0.286	**0.714**	± 0.687	0.561	GTGCTATTCAATAAAATTAAAACAAATGGTCTTTTCGAATTTCTTCAATCT
chromosome	248862	BB_0243		**0.783**	± 0.991	0.664	**0.258**	± 0.300	0.240	**0.420**	± 0.470	0.287	**1.271**	± 1.303	0.526	ATAAGGTATTTCTAAAACATTATAAATAGGCGTGATAAGTGCACATTCGTT
chromosome	249253	BB_0243		**0.377**	± 0.295	0.203	**0.782**	± 0.676	0.438	**0.616**	± 0.616	0.130	**0.691**	± 0.546	0.364	AACATCATTAAACCTTCCCAAGGTAGCCATTTAGTAGTCAAAAAAGACAAA
chromosome	249494	BB_0243		**0.616**	± 0.643	0.254	**1.708**	± 1.392	0.334	**0.582**	± 0.712	0.321	**0.601**	± 0.458	0.293	AAATAGAAAAATCAGATGTAAAAAGTGTATATACCGGAATAAGGCCATTAA
chromosome	249623	BB_0243		**0.405**	± 0.406	0.183	**0.907**	± 1.019	0.093	**0.653**	± 0.749	0.111	**0.850**	± 0.989	0.021	ATAAGATTTGAATCTGATATAAATATTTTTTCGTTTCTTGAGATTTTTGAA
chromosome	249691	BB_0243		**0.364**	± 0.286	0.120	**0.764**	± 0.572	0.174	**0.521**	± 0.403	0.101	**0.730**	± 0.570	0.113	GAACAAAATTTAATACCAAATCGTGCACCAACTACAGAAGATTTAAAGTTG
chromosome	249968	BB_0243		**0.335**	± 0.297	0.004	**0.846**	± 0.525	0.326	**0.504**	± 0.464	0.035	**0.972**	± 1.005	0.951	GCTTGAGGATTTAAAGGTAGTGATCTTGTTCTTCTTGCTAAAACATCCTCA
chromosome	259040	BB_0252		**0.837**	± 0.580	0.650	**3.642**	± 3.196	0.169	**1.294**	± 1.155	0.682	**1.985**	± 1.929	0.248	TATTCACAATATTTATCTTAATTACTATTTTTTTAGGATTTTTTTTGAAAA
chromosome	259588	BB_0252		**2.835**	± 1.630	0.176	**3.257**	± 2.883	0.257	**0.627**	± 0.745	0.415	**0.927**	± 1.500	0.939	AGATTTTTTCTCTTACTATTAAATCCCCCGTAAGATACAACTTTAAATCGT
chromosome	259793	BB_0252		**0.111**	± 0.081	0.167	**0.319**	± 0.492	0.300	**0.501**	± 0.439	0.334	**0.714**	± 1.173	0.804	AGTAAAACAATCATTGAAGTTTCTGGCACTGTAATAGGGGATTGTACAAGC
chromosome	260736	BB_0252		**0.931**	± 0.896	0.813	**1.051**	± 1.199	0.880	**0.502**	± 0.515	0.038	**0.661**	± 0.479	0.366	TCATTTCTCAGGTGTTTATGATAAGGTATTAATAGCTAAAACAATGGTAAA
chromosome	260771	BB_0252		**0.071**	± 0.068	0.074	**0.690**	± 0.618	0.436	**0.104**	± 0.153	0.103	**0.217**	± 0.233	0.137	GCTATTAATACCTTATCATAAACACCTGAGAAATGATATTTATTATTTTTC
chromosome	260797	BB_0252		**0.453**	± 0.280	0.037	**0.735**	± 0.666	0.348	**0.617**	± 0.448	0.275	**0.679**	± 0.423	0.193	TAACCTGTTCTTTTACCATTGTTTTAGCTATTAATACCTTATCATAAACAC
chromosome	261085	BB_0252		**1.734**	± 0.558	0.077	**2.747**	± 2.377	0.324	**1.540**	± 0.674	0.335	**1.399**	± 0.829	0.406	TTTAATGGAATATTTGCAAATTCTATTTCTGTTGGAATAGGATTTTTAACT
chromosome	261262	BB_0252		**1.114**	± 1.377	0.868	**1.428**	± 1.745	0.651	**0.715**	± 0.990	0.653	**1.432**	± 1.325	0.679	AAGCTAGCCTCAAACAACAATTTTAAAAAATTAAAACAATAATTTAATGAC
chromosome	261265	BB_0252		**0.937**	± 0.268	0.771	**1.533**	± 0.980	0.451	**0.706**	± 0.118	0.105	**0.990**	± 0.270	0.962	GCTTTACTCTAGGTTTAAATAAATAAATTAATAATGGAAGAAGAGTTAGTG
chromosome	266112	BB_0254	*recJ*	**0.955**	± 0.546	0.742	**1.382**	± 0.563	0.106	**0.631**	± 0.535	0.429	**0.764**	± 0.562	0.620	TAGAATACAAAAAGCCCTACTTATACTGTGTATTCTAGGAATAGAAAATAT
chromosome	266183	BB_0255		**1.140**	± 0.853	0.549	**1.853**	± 1.584	0.278	**0.812**	± 0.421	0.358	**1.266**	± 0.760	0.268	GTATTTATTATTTCTGAATTTATATTTTCTATTCCTAGAATACACAGTATA
chromosome	267275	BB_0256	*rpsU*	**0.767**	± 0.208	0.011	**1.418**	± 1.070	0.533	**0.723**	± 0.181	0.093	**0.736**	± 0.148	0.046	GATCGCACAAGAGATGTTCAAATGGATATCTCTTTATTTTAAATTAACACC
chromosome	273890	BB_0261		**0.463**	± 0.411	0.205	**1.026**	± 1.176	0.974	**0.625**	± 0.860	0.566	**0.766**	± 0.744	0.745	CTGTCAATGAAGAGATTACTATAAATAGTGACAACACTCGTATTGCTCCTA
chromosome	275622	BB_0262		**1.110**	± 0.559	0.711	**1.959**	± 0.948	0.179	**0.669**	± 0.622	0.583	**1.776**	± 0.941	0.125	AAAGTCTCCCCTAATACCTCTTTTAAAAAATCTTTGGGCAATCTTCCCCCA

chromosome	277304	BB_0264		**0.966**	± 1.165	0.952	**1.778**	± 2.562	0.566	**0.865**	± 0.833	0.192	**0.492**	± 0.579	0.132	TAGGTAGGTTTTCCTTTGGCAATATTCAAAAAGCTTTAAAAGGAATTCCCA
chromosome	277777	BB_0264		**0.526**	± 0.677	0.297	**1.182**	± 1.381	0.741	**0.605**	± 0.632	0.533	**0.528**	± 0.638	0.342	ATTCAAATGCTTGCCATCAAGAAAAAGCAAAGTAATGTCGACCTCTTCCAT
chromosome	278129	BB_0264		**1.039**	± 0.428	0.746	**0.761**	± 0.424	0.084	**0.598**	± 0.275	0.110	**0.767**	± 0.578	0.321	ATGAACCAACCGCAGCTGCTATTGCTTATGCCTTTGAAAGACAGATTGATG
chromosome	278206	BB_0264		**0.711**	± 0.291	0.119	**1.448**	± 0.879	0.401	**0.986**	± 0.478	0.931	**0.913**	± 0.423	0.499	GGCAGGGACTGTTATTACAGCATTTTCAATCTCTTCATCTAAAAATTTTTC
chromosome	278432	BB_0264		**0.471**	± 0.311	0.116	**0.621**	± 0.366	0.045	**0.468**	± 0.158	0.114	**0.401**	± 0.149	0.113	TCTGAGAAAGAAACAATAGAAGGGGTTATTCGCTCACCCCTTTCATTTAAT
chromosome	278481	BB_0264		**0.761**	± 1.045	0.824	**1.083**	± 1.667	0.952	**1.433**	± 1.471	0.667	**2.792**	± 2.767	0.001	ATATTATCTTAGAACTAACATCAAAATACGATGCAACAGTATTTGTGGTTC
chromosome	279215	BB_0266		**1.088**	± 0.230	0.568	**1.672**	± 0.416	0.102	**0.813**	± 0.068	0.024	**1.147**	± 0.222	0.392	GTTAATAAAGTAGGGGATAATTATTTGCTTTCGTTTCCAGTTAAAAAAAAT
chromosome	279477	BB_0267		**0.526**	± 0.582	0.123	**1.277**	± 1.616	0.699	**0.996**	± 1.024	0.996	**3.763**	± 4.488	0.315	ACAACGTTACTTTTATAGAGGATGATAATTATATTAAAGTTATGACCTATA
chromosome	303742	IG 29		**0.292**	± 0.135	0.021	**0.402**	± 0.161	0.022	**2.149**	± 0.763	0.047	**0.388**	± 0.168	0.019	TTGAAACCTCCCTCATTTAAAATTGCTTTTAACTAAATTATATAATAATTC
chromosome	303902	BB_0295	*hslU*	**1.310**	± 0.643	0.464	**1.248**	± 1.150	0.762	**0.859**	± 0.425	0.547	**0.674**	± 0.420	0.446	TTTCCATAACACCGTGAAGTCTTCTGGCACCAAGATTTTCACTCTCAAGAT
chromosome	305051	BB_0295	*hslU*	**0.090**	± 0.124	0.195	**0.499**	± 0.485	0.390	**0.469**	± 0.716	0.520	**1.220**	± 1.317	0.840	GGTCAAGACGAAGCTAAAAAATTAGTATCAATTGCTCTTGTTAATAGATAT
chromosome	305483	BB_0296		**0.668**	± 0.613	0.152	**1.778**	± 2.117	0.613	**0.801**	± 0.819	0.771	**0.767**	± 0.749	0.766	CTCTTTTTGAAAAATTTGAAGAAAAAATCAAAGCAAAAGGTGATGGCTTGA
chromosome	305705	BB_0297		**0.100**	± 0.197	0.276	**0.292**	± 0.420	0.388	**0.361**	± 0.536	0.398	**0.817**	± 0.995	0.725	AGAACATCAGATACATTTTTACAATTACAACACTCTTTAGAATCATCTTCA
chromosome	305884	BB_0297		**0.908**	± 0.510	0.694	**1.321**	± 1.117	0.729	**0.734**	± 0.420	0.341	**0.925**	± 0.600	0.867	AACATCAAGTCCTAAGTCAAGACCAAGCTCAGCTGTAATTAAAGCTCCTGA
chromosome	305947	BB_0297		**1.814**	± 1.404	0.029	**3.968**	± 4.993	0.390	**1.959**	± 1.815	0.446	**2.658**	± 2.815	0.265	TGCACCCTTGAAATCAGGAGCTTTAATTACAGCTGAGCTTGGTCTTGACTT
chromosome	306377	BB_0297		**0.845**	± 0.365	0.089	**0.964**	± 0.692	0.950	**1.230**	± 0.717	0.663	**1.388**	± 0.892	0.586	GGATAAGACTTAGACCCTAGAATAGCAACTTTGGCTTTGGTCCTTTGAATA
chromosome	306539	BB_0297		**0.720**	± 0.544	0.586	**0.841**	± 0.584	0.614	**1.136**	± 0.619	0.798	**0.706**	± 0.407	0.529	AAATCAAAATTATTAAAAAGTTTTAATTTTTCTTTGCCTTTTAAAAATTTC
chromosome	321686	BB_0315		**1.203**	± 1.627	0.790	**1.219**	± 1.564	0.643	**1.000**	± 1.531	1.000	**0.144**	± 0.271	0.210	TCTCTTGGGCATACTTTTTAATAGGAGAAGTTAAAAATTCAATGGACTATA
chromosome	321865	BB_0315		**1.072**	± 0.977	0.915	**1.437**	± 1.021	0.550	**0.859**	± 0.321	0.566	**0.921**	± 0.369	0.774	TCTTCAACGTTTCAATTAGCACTCAATGACGACACATTGTTTATAATTTTT
chromosome	322438	BB_0316		**0.935**	± 1.196	0.942	**0.659**	± 0.742	0.567	**1.748**	± 1.023	0.223	**0.698**	± 0.328	0.028	TAACATAAACAGTAATAAATAAAAAAATGAAAAAAACAGCAATAAAAACAA
chromosome	326309	IG 30		**0.427**	± 0.544	0.423	**0.249**	± 0.308	0.134	**1.054**	± 0.826	0.919	**1.540**	± 1.959	0.409	ATAAAAGGATGTTTTATTTTTATGAGTAAAAAGGTGTTTTTTAAAGGGTTT
chromosome	327693	BB_0322		**0.405**	± 0.418	0.095	**0.421**	± 0.379	0.310	**0.649**	± 0.496	0.439	**1.120**	± 1.033	0.443	GTGTTGTTAGAAATACATTTCCCGTTAAGTTAGATTTAGATGACGAAATTT
chromosome	327715	BB_0322		**0.644**	± 1.045	0.703	**0.479**	± 0.542	0.505	**0.856**	± 0.712	0.747	**3.224**	± 3.623	0.222	AAAGAAATAGAAGGTAGAGTTAGTGTTGTTAGAAATACATTTCCCGTTAAG
chromosome	334910	IG 31		**0.877**	± 0.723	0.719	**1.002**	± 0.679	0.997	**0.631**	± 0.392	0.182	**1.345**	± 0.826	0.591	TATAAAATATTGAAAAAGGAAAATCCCATGAAATATATAAAAATAGCCTTA
chromosome	335200	BB_0328		**0.835**	± 0.841	0.727	**1.167**	± 1.586	0.284	**0.714**	± 0.842	0.426	**1.023**	± 1.219	0.892	CACATTTAACCTAAGAGAAGATATAGTTTGGAGCGATGGAGTTGCCATTAC
chromosome	335210	BB_0328		**0.555**	± 0.367	0.142	**0.721**	± 0.503	0.222	**0.542**	± 0.361	0.142	**0.788**	± 0.645	0.021	GGTTAAATGTGTAAATAATTCCATCTTCAGAAATATTCCAACTTTTTGCAA
chromosome	335333	BB_0328		**0.619**	± 0.313	0.211	**1.361**	± 0.498	0.297	**0.844**	± 0.408	0.473	**1.022**	± 0.419	0.948	TTGTAGATTTTATTAAATTAGCATACATTGCAGCTGTTTTTTTATTTAAAA
chromosome	335795	BB_0328		**0.597**	± 0.536	0.385	**0.889**	± 0.872	0.626	**0.498**	± 0.401	0.334	**0.686**	± 0.806	0.067	GCATTCAATACAACAATAAAACCACTAGACAATTTAAAAGTTAGACAAGCC
chromosome	335960	BB_0328		**0.768**	± 0.654	0.670	**1.182**	± 1.433	0.507	**0.616**	± 0.685	0.184	**1.046**	± 1.168	0.798	TTAAATTTTTTCCATAAGAATAATCATCAAATTTTGGAGTTAGATTTCTTG
chromosome	336408	BB_0328		**0.707**	± 1.012	0.468	**1.701**	± 2.921	0.353	**0.505**	± 0.657	0.473	**0.668**	± 1.084	0.306	TACCCAAATCTCATTATCTTTTCAGAAATGATAAATGGACAGGGTGGGTAC
chromosome	336523	IG 32		**0.842**	± 0.708	0.476	**1.153**	± 0.698	0.799	**0.904**	± 0.721	0.840	**0.724**	± 0.467	0.419	TTTTACTTAATTTTATTATTTTTTAGTTTTAATATCTTCATATAAATAGCT
chromosome	337151	BB_0329		**1.026**	± 0.536	0.888	**1.195**	± 0.776	0.349	**0.686**	± 0.325	0.391	**0.880**	± 0.746	0.584	ACATATCAATAAAATAAGGTTTTGGTGATTCCAGTGTTATTTCTAATGTTT
chromosome	337852	BB_0329		**0.414**	± 0.183	0.032	**1.033**	± 0.719	0.902	**0.685**	± 0.329	0.020	**0.731**	± 0.407	0.056	TGTTGTCCATTCTTCGTTTTCAAGTTCCACATCAATATTTAAATTTTTTTT
chromosome	337856	BB_0329		**1.198**	± 1.109	0.825	**1.263**	± 1.541	0.748	**0.309**	± 0.477	0.261	**1.559**	± 1.370	0.413	AGTATGTTGTCCATTCTTCGTTTTCAAGTTCCACATCAATATTTAAATTTT
chromosome	338107	BB_0329		**0.590**	± 0.386	0.366	**0.761**	± 0.528	0.537	**0.292**	± 0.178	0.074	**0.702**	± 0.502	0.550	TATTGGTGCTATTGGAAAATCTTTTTCAATAATTATCTCTTCTGCTTGTCT
chromosome	340285	IG 33		**0.605**	± 0.789	0.284	**0.801**	± 1.335	0.416	**0.367**	± 0.371	0.375	**0.986**	± 1.088	0.968	TATGATATAATTGACTAATACGTAAGTTATCAATATCTATTTACAAAGGAG
chromosome	344196	BB_0336		**0.867**	± 0.241	0.107	**1.208**	± 0.654	0.478	**0.684**	± 0.172	0.077	**0.899**	± 0.227	0.239	AGTAAGCTTTTAATTATTTATCTGTTCATCTCATCAAAAAGGTATTTAGAT
chromosome	344355	BB_0336		**0.745**	± 0.748	0.720	**0.286**	± 0.328	0.292	**0.552**	± 0.392	0.184	**0.951**	± 0.674	0.831	GTATAAATTCCCTTATTGTCCTCTTTCTCAATAAGCCTATTTAAAAAAGGA
chromosome	352512	BB_0344		**0.902**	± 1.421	0.886	**1.599**	± 1.800	0.474	**0.670**	± 0.635	0.283	**0.713**	± 0.541	0.386	ATAAAAGGATGAAATTTTTAGTTTTTCAAAGCACTTCAGATGAAGCTGAAT
chromosome	355454	IG 34		**0.918**	± 0.800	0.417	**1.950**	± 2.514	0.418	**1.005**	± 0.755	0.977	**0.898**	± 0.729	0.756	GATATAAACACCTTGAAAGAATTAGGATTTGATAAAAATGTCTTTGAATTA
chromosome	355857	BB_0347		**0.866**	± 0.281	0.354	**1.927**	± 0.831	0.083	**0.902**	± 0.388	0.301	**1.311**	± 0.462	0.151	TATTGGGCGAGGATGGCCACAATTTAATAAATAAGATAATCATATCTTTTT
chromosome	355864	BB_0347		**0.450**	± 0.383	0.156	**0.779**	± 0.693	0.662	**1.025**	± 0.411	0.932	**0.991**	± 0.200	0.955	GCTATTATATTGGGCGAGGATGGCCACAATTTAATAAATAAGATAATCATA
chromosome	356641	BB_0347		**0.538**	± 0.349	0.251	**0.796**	± 0.818	0.096	**0.611**	± 0.371	0.266	**1.116**	± 0.783	0.317	CAAGAGATTATCCTGGAGCTTATGTTTTTATTAAAAATCAAAAAAAATAAAA
chromosome	366967	BB_0359		**1.559**	± 0.115	0.014	**1.885**	± 1.768	0.480	**0.606**	± 0.153	0.018	**0.968**	± 0.595	0.933	ATTACCTAATTTAGACAAATACTCACAAGCTGTTTTTAAAACTTTGTCATA
chromosome	368613	BB_0360		**0.574**	± 0.478	0.480	**0.785**	± 0.732	0.714	**1.670**	± 1.442	0.221	**1.626**	± 1.741	0.514	AATGTTAACATAAACTTTATGGAGTAATTATTAATGAAAATTAATTTATTA
chromosome	368735	BB_0360		**0.981**	± 0.176	0.665	**1.014**	± 0.362	0.963	**0.638**	± 0.238	0.028	**0.906**	± 0.137	0.482	ATGTTAATATTATTTGGAATAATTTAGTTATTACTATAATGCTGTGAAGAA
chromosome	368760	BB_0360		**0.860**	± 0.964	0.652	**3.228**	± 4.507	0.353	**0.715**	± 0.981	0.375	**0.687**	± 0.991	0.143	TTTTTAAAATATACGTCTATCAAACCTCTCTAGCCATAATTTTAGGAATTA
chromosome	369224	BB_0361		**0.612**	± 0.351	0.391	**1.302**	± 0.694	0.599	**0.770**	± 0.857	0.713	**1.327**	± 0.662	0.064	AGTAATCATATTTTAAAGATTTTAAATTTTTTATTATGATTTTTTTTTGGG
chromosome	369552	BB_0361		**1.054**	± 0.681	0.883	**1.863**	± 2.022	0.396	**0.715**	± 0.720	0.374	**1.160**	± 0.775	0.491	ATATGCTCAAAGCTCCCAAAGACATTGAAAAAACCGAAAAAATAATAAAAT

chromosome	369706	BB_0361		**0.150**	± 0.144	0.011	**1.313**	± 1.435	0.705	**0.458**	± 0.425	0.221	**0.955**	± 0.454	0.795	CAAACCTACAAGCTCAACTTCTAAAAGTATAAAAAAAATTGCAAAAAAATT
chromosome	371284	BB_0363		**0.540**	± 0.480	0.422	**2.875**	± 4.052	0.303	**0.665**	± 0.777	0.246	**0.578**	± 0.663	0.382	GAATGGATTTTGTTTGCATTTTTTAATTCGTTTGCAATGTTTATTGAAAAA
chromosome	371287	BB_0363		**1.193**	± 0.670	0.711	**1.764**	± 1.026	0.324	**1.200**	± 0.592	0.585	**1.398**	± 0.605	0.351	TCATAATTAGCAAAGAAAAATTTGATGAGGAATATTTAAAACTTGATCACA
chromosome	371367	BB_0363		**0.761**	± 0.460	0.603	**0.735**	± 0.646	0.663	**0.017**	± 0.029	0.052	**0.402**	± 0.603	0.131	GAATATAAGCAAAGCTTAATACATCAAAAAAAATTATTTTGCGACAATAAA
chromosome	371416	BB_0363		**0.742**	± 0.665	0.548	**1.771**	± 2.822	0.640	**0.478**	± 0.551	0.247	**0.640**	± 0.750	0.374	AAAACACAACTCTGGATTTCTTTTTAAATTTATCAGAACTCATAAAAGAAA
chromosome	371577	BB_0363		**0.808**	± 0.402	0.170	**0.761**	± 0.412	0.601	**0.905**	± 0.433	0.467	**1.081**	± 0.584	0.111	TGTCGGTTACTTTGATTATATTTCCAGAGGTTTTCATTGGAAGATTAAGAT
chromosome	371580	BB_0363		**1.835**	± 1.759	0.502	**0.313**	± 0.227	0.246	**1.004**	± 0.938	0.972	**0.378**	± 0.384	0.224	GATATCAGAGATTGGGAAAAGCTAGAAAAAATAAATTTAAGTTATCACACA
chromosome	371865	BB_0363		**1.415**	± 1.101	0.576	**1.161**	± 0.858	0.804	**0.404**	± 0.391	0.338	**0.838**	± 0.723	0.503	GTAAACCATATGGATATTTACAAAAAAAAAAGCATATATTTACTTAATTTA
chromosome	372009	BB_0363		**0.949**	± 0.538	0.661	**2.126**	± 2.463	0.451	**0.734**	± 0.350	0.021	**1.020**	± 0.516	0.837	ATGACATTATTTTTGAATACATTATTTTAAGTATTTTTGCATTAAGTTTTT
chromosome	372271	BB_0363		**0.974**	± 0.123	0.580	**1.779**	± 0.756	0.239	**0.866**	± 0.178	0.126	**1.092**	± 0.333	0.625	GTGGGATTAGATTCTTTGTATTCCGATGATATTTTTGTAGCCATCATTAAT
chromosome	372273	BB_0363		**0.673**	± 0.741	0.674	**4.224**	± 7.109	0.447	**1.279**	± 2.334	0.791	**2.320**	± 3.836	0.521	TAGTGGGATTAGATTCTTTGTATTCCGATGATATTTTTGTAGCCATCATTA
chromosome	373080	IG 35		**1.264**	± 0.446	0.494	**2.263**	± 0.625	0.014	**1.321**	± 0.785	0.613	**1.530**	± 0.487	0.229	TGCCTAAATTTTATTAAATTTCAACAAAAATTATTTTACATTGAAAAAGGA
chromosome	373580	BB_0365	*la7*	**1.170**	± 0.388	0.143	**1.550**	± 1.102	0.434	**0.728**	± 0.273	0.015	**1.032**	± 0.302	0.800	TGTTAACGAATTAATTTATATTTTTGATTTTATAGGCTTTAATCTAAATTA
chromosome	374015	BB_0365	*la7*	**0.513**	± 0.247	0.103	**0.445**	± 0.405	0.341	**0.723**	± 0.321	0.258	**0.882**	± 0.449	0.343	GAATCATCAGGCTTAGAAGAGTTCTCCGCTTCTTGCTCCTCAACATATTCA
chromosome	387433	BB_0377	*luxS*	**0.719**	± 0.315	0.063	**1.375**	± 1.084	0.465	**0.714**	± 0.254	0.157	**0.828**	± 0.397	0.151	TTGTAGTAAATATTACATTTTCAAAGGTATCTTTTCTTGAGACATATATGC
chromosome	387491	BB_0377	*luxS*	**1.034**	± 0.646	0.696	**1.818**	± 1.961	0.367	**0.635**	± 0.443	0.091	**0.950**	± 0.512	0.832	TGTATTGCTGCGTTTTCAATTATTGGTTCGATGTTGGGAGCTTTGATTCTA
chromosome	387744	BB_0377	*luxS*	**0.838**	± 0.431	0.293	**1.185**	± 0.291	0.269	**0.785**	± 0.286	0.012	**0.755**	± 0.187	0.266	TGAATCTTCTAAATACTTACAAATATTAAACAATATTAAAGAAGAAAATTT
chromosome	388124	BB_0378		**0.912**	± 0.517	0.818	**1.396**	± 1.001	0.147	**0.704**	± 0.469	0.219	**1.877**	± 1.486	0.131	ATTACCATACATTCTCAGTGAAAATGAAACATCTTTTATTATGAAATAATT
chromosome	388213	BB_0378		**1.566**	± 1.582	0.451	**1.635**	± 1.551	0.496	**1.742**	± 1.612	0.271	**1.666**	± 1.162	0.339	TTTATGTTGGATGATCAAGCATATTTGAAGCATTCTCTAAATTATTTCATA
chromosome	388229	BB_0378		**0.854**	± 0.429	0.275	**1.477**	± 1.513	0.503	**0.631**	± 0.356	0.062	**0.839**	± 0.537	0.171	TACCAATGAGATTATATTTATGTTGGATGATCAAGCATATTTGAAGCATTC
chromosome	388328	BB_0378		**0.854**	± 0.555	0.746	**1.278**	± 1.008	0.728	**0.827**	± 1.238	0.738	**0.393**	± 0.337	0.334	TCAATTTTTCAGTGGAGTTGGTGTTAATGTTTCTCAAAATTTAGCATTTGG
chromosome	391873	IG 36		**1.204**	± 0.310	0.153	**1.008**	± 0.525	0.978	**0.436**	± 0.202	0.117	**1.049**	± 0.762	0.937	AATATAACATAATTAAAAAATTAAAAACTGGAAAATTAAAATCTTTCTATT
chromosome	394232	BB_0384	*bmpC*	**1.412**	± 0.881	0.505	**1.863**	± 0.796	0.038	**0.959**	± 0.491	0.802	**1.159**	± 0.509	0.396	AGGATCCCGATGTTTTAAACAATAGGTTGGTTGATGAAGTTATTGATCTAG
chromosome	394997	BB_0384	*bmpC*	**0.450**	± 0.464	0.361	**0.481**	± 0.495	0.511	**0.668**	± 0.678	0.539	**0.479**	± 0.527	0.421	GGGATAATTTTGGAATAAAGCTTATAACTAAATCTTTAAGACCTTATCCTA
chromosome	410663	IG 37		**0.768**	± 0.303	0.298	**1.079**	± 0.314	0.602	**0.791**	± 0.251	0.297	**0.871**	± 0.245	0.563	TGACCACAAAAACGTTGAAAAATAATCTTATAATGACCTATAATAAATGTT
chromosome	411699	BB_0400		**0.813**	± 0.849	0.776	**0.676**	± 0.839	0.538	**0.406**	± 0.591	0.477	**0.819**	± 0.898	0.603	ATATTGGCCTGTAATTCCTGTTTCCATCCACCTAAAAGAAGCTTGCTCTTT
chromosome	411730	BB_0400		**0.393**	± 0.399	0.074	**0.665**	± 0.712	0.065	**0.897**	± 0.841	0.617	**1.212**	± 1.150	0.344	GGTGGATGGAAACAGGAATTACAGGCCAATATTACGATTATTATGTTAAAT
chromosome	411815	BB_0400		**1.254**	± 1.851	0.559	**1.079**	± 1.341	0.931	**0.218**	± 0.367	0.301	**0.891**	± 1.092	0.827	TAGGTATTAATATTTTACCCCTACCATTTGCTCTGTTTTTAACATCAATTG
chromosome	411817	BB_0400		**1.000**	± 0.252	0.998	**1.101**	± 0.196	0.520	**0.686**	± 0.124	0.118	**0.818**	± 0.215	0.408	GGTATTAATATTTTACCCCTACCATTTGCTCTGTTTTTAACATCAATTGAT
chromosome	412681	BB_0400		**0.915**	± 0.497	0.269	**1.574**	± 1.373	0.412	**0.717**	± 0.279	0.119	**0.680**	± 0.322	0.020	GATTTGCCGCACTTATTCCAAATGCACTTGGATCTGAAATTCAGCTATTAA
chromosome	416911	BB_0404		**0.757**	± 0.635	0.700	**1.059**	± 0.702	0.847	**0.809**	± 0.537	0.542	**0.949**	± 0.642	0.841	TTATACTACTTGACTGTATATTGATGTTAATCTTGTTTGTTTGTAAAGGAT
chromosome	417114	BB_0405		**0.719**	± 0.534	0.539	**0.786**	± 0.348	0.510	**0.567**	± 0.294	0.063	**0.694**	± 0.238	0.029	ATAGCATTCTCATTGAAATTCTCCTTTTTTATTTTCAATTTTAGAAATTAT
chromosome	417567	BB_0405		**0.697**	± 0.290	0.160	**1.186**	± 0.986	0.758	**0.556**	± 0.365	0.202	**0.982**	± 0.482	0.935	ATAGAGTACAGCTTTCTTAAAAAATATTGTGATTGGATTTAAAGCTGTTGCT
chromosome	417570	BB_0405		**0.949**	± 0.719	0.938	**0.982**	± 0.407	0.953	**0.641**	± 0.431	0.140	**0.503**	± 0.364	0.281	GAGTACAGCTTTCTTAAAAAATATTGTGATTGGATTTAAAGCTGTTGCTACT
chromosome	417879	BB_0406		**0.378**	± 0.736	0.448	**0.017**	± 0.027	0.196	**0.039**	± 0.070	0.202	**0.009**	± 0.008	0.191	ATTTTTCTTTTCTTTTATTTCTTTAAGCTTTGCGATACAGGTGGTTGAATC
chromosome	418056	BB_0406		**0.789**	± 0.220	0.239	**1.480**	± 0.870	0.294	**0.799**	± 0.265	0.011	**0.913**	± 0.521	0.654	TTGTCCAATTTGCTTTTTAAAAATAACGTCTATTCCACCATTTAGATAATT
chromosome	419412	BB_0407	*manA*	**1.735**	± 0.879	0.269	**1.821**	± 0.407	0.074	**0.002**	± 0.004	0.000	**1.982**	± 0.338	0.043	AGATTGATGGAAAGCCCAAGGCTGAAATGTGGCTTGGAGCACACAAGACAT
chromosome	420551	BB_0408		**1.773**	± 1.688	0.272	**0.777**	± 0.795	0.544	**0.094**	± 0.071	0.171	**0.838**	± 0.710	0.708	AAGCTTCGGTTGCAACAGGCAAAGGTAGTTTTTATAAATATTTAATGAGTG
chromosome	420791	BB_0408		**0.814**	± 0.548	0.541	**0.945**	± 0.903	0.648	**0.002**	± 0.002	0.110	**0.722**	± 0.479	0.571	ATGCTATAACCCTGCTTTTTAGCTTCATTTTCAATTTTCTTAGCTGCAATA
chromosome	421350	BB_0408		**1.346**	± 0.380	0.083	**1.559**	± 0.605	0.300	**0.002**	± 0.003	0.023	**0.864**	± 0.260	0.550	CAAGATCTTTTTTCAAAAAATTAAAAAACATAACTGTGGTCTCCTAGTAAT
chromosome	421406	IG 38		**0.960**	± 1.099	0.946	**1.351**	± 1.763	0.215	**0.342**	± 0.398	0.402	**0.516**	± 0.816	0.266	TGTTTAATTACTAGGAGACCACAGTTATGTTTTTTAATTTTTTGAAAAAAG
chromosome	422726	BB_0411		**0.453**	± 0.186	0.072	**1.163**	± 1.081	0.756	**0.689**	± 0.350	0.314	**1.250**	± 0.637	0.547	ATTTTTCAAGTTTTAGCCAAATTCCAGAATTAAATTCGCTTTTTTGAGGTG
chromosome	422757	BB_0411		**0.767**	± 0.306	0.001	**1.193**	± 0.336	0.367	**0.738**	± 0.311	0.009	**0.821**	± 0.351	0.043	TATCCTTTTGAGATTGCCCATTCTCTTACTAATTTTTCAAGTTTTAGCCAA
chromosome	422885	BB_0411		**0.417**	± 0.196	0.090	**0.834**	± 0.591	0.265	**0.386**	± 0.259	0.176	**0.998**	± 0.745	0.998	ATCTCTTTTATTATCCCAAATGAAAAAGCAAAAGACTTGGATTTGGAAAAT
chromosome	423338	BB_0412		**0.761**	± 0.820	0.758	**0.668**	± 0.518	0.516	**0.619**	± 0.679	0.142	**0.615**	± 0.359	0.411	CATTAGACCCTATTTTAATCTCTGAAGATTTTTTTTTAAAAAACAATCTAA
chromosome	423470	BB_0412		**0.427**	± 0.424	0.343	**1.117**	± 1.644	0.695	**0.547**	± 0.499	0.423	**0.584**	± 0.592	0.361	TATAAACTGAGAAAAAATAAATTTAATAATGAAAAAGTGTTTACAAAAAGG
chromosome	423472	BB_0412		**0.839**	± 0.524	0.286	**1.043**	± 0.612	0.911	**0.759**	± 0.251	0.204	**1.015**	± 0.408	0.959	TATATAAACTGAGAAAAAATAAATTTAATAATGAAAAAGTGTTTACAAAAA
chromosome	423539	BB_0412		**1.171**	± 0.732	0.032	**1.822**	± 0.981	0.242	**0.523**	± 0.425	0.041	**1.764**	± 1.055	0.010	TATATGCAGGCAAAGATCAAAATAATGTAAATTGTATAATGTATTGATTTT
chromosome	423554	BB_0412		**0.608**	± 0.692	0.078	**1.122**	± 1.034	0.818	**0.433**	± 0.599	0.316	**1.056**	± 0.825	0.932	GGCATTGTGTAACTATATATGCAGGCAAAGATCAAAATAATGTAAATTGTA

chromosome	423619	BB_0412		**0.780**	± 0.533	0.128	**1.463**	± 1.488	0.414	**0.732**	± 0.425	0.306	**1.029**	± 0.733	0.556	TGTAAAATTTTGTATTTTCTATTTTAAGAATTCCGTGGTTTTGGCTATTTT
chromosome	423622	BB_0412		**0.800**	± 0.222	0.063	**1.346**	± 0.747	0.385	**0.854**	± 0.213	0.255	**1.013**	± 0.262	0.892	GATGCATTCTTGCTACTTATTTTAACAAACTTTATAGTAGCCTTTTTAAGA
chromosome	424558	IG 39		**0.423**	± 0.135	0.067	**0.416**	± 0.382	0.265	**0.780**	± 0.436	0.051	**0.901**	± 0.497	0.422	TAAACCTATGTCTTATAATAAAATTACTTATATTAATTTTACAATTTTTTT
chromosome	425060	BB_0414		**0.470**	± 0.596	0.566	**1.056**	± 1.302	0.955	**0.216**	± 0.324	0.359	**0.848**	± 1.075	0.646	GCATTTGTACTCAAATCAAAGCTTCCAAAAGAAATAGATTTTGTTATTATT
chromosome	425806	BB_0415		**1.300**	± 0.580	0.077	**1.774**	± 1.760	0.567	**1.351**	± 0.926	0.531	**1.342**	± 0.559	0.050	AACTGTTTTTTTCCTCCAAAAATAGAATATCTTTAATATTGTTCTCTTCTA
chromosome	425888	BB_0415		**1.174**	± 0.672	0.553	**1.149**	± 0.578	0.748	**0.822**	± 0.369	0.148	**0.882**	± 0.469	0.704	AGATCATCGGCGCCCTTTGAAGCAGCAATATTTATTAGGTTTTGATTTGAA
chromosome	426473	BB_0415		**0.729**	± 0.303	0.410	**0.800**	± 0.275	0.406	**0.905**	± 0.301	0.656	**0.673**	± 0.242	0.233	GATTGAAATAATACCCCAATAGATGGTTTGTGACCATTTATATGTTTACCA
chromosome	426647	BB_0415		**1.050**	± 0.956	0.905	**0.903**	± 1.069	0.645	**0.203**	± 0.180	0.145	**0.510**	± 0.577	0.124	TAGACTATATAGTTCCACTAAGCCATATGGTAAAATTATTAAAAGCTATAC
chromosome	431895	BB_0420	*hk1*	**0.066**	± 0.106	0.032	**0.094**	± 0.165	0.072	**1.736**	± 1.055	0.274	**1.002**	± 0.909	0.997	TAAATGTAAATAACGATAATATTCAAGAGGGTATTCGACTTGCCAATAATA
chromosome	431973	BB_0420	*hk1*	**0.048**	± 0.080	0.092	**0.168**	± 0.194	0.153	**1.404**	± 0.888	0.567	**0.816**	± 1.028	0.826	GAAGAGCATCCCAATAAAATCGAACAGTGCTCAAAAATTTTAATAGATTTT
chromosome	432429	BB_0420	*hk1*	**0.033**	± 0.057	0.008	**0.512**	± 0.503	0.196	**0.779**	± 0.211	0.378	**0.566**	± 0.516	0.142	AAAGCATTTCCTATTAAATTAATTAAAACTTGTTTAATTTTTACAATATCA
chromosome	432489	BB_0420	*hk1*	**0.045**	± 0.039	0.007	**0.476**	± 0.422	0.100	**1.421**	± 0.428	0.166	**0.856**	± 0.316	0.536	TAATTATTAAAAATAGATTTAGAATAAGAGAATAAATCAATATTTTTCTTT
chromosome	434199	BB_0420	*hk1*	**0.172**	± 0.186	0.098	**0.717**	± 0.797	0.057	**0.773**	± 0.618	0.271	**0.919**	± 0.683	0.702	ATATCCTCTTTGGAAAATCCCTTAAAAATAGGTTTAAAGATATGTTGTCTT
chromosome	434321	BB_0420	*hk1*	**0.284**	± 0.327	0.136	**0.587**	± 0.654	0.082	**0.884**	± 0.785	0.787	**0.880**	± 0.728	0.563	TCCTCCTTTAAGTTTTATTAATTCACAGGGAAAATTGTCTGGCATTTTAGT
chromosome	434331	BB_0420	*hk1*	**0.797**	± 1.063	0.679	**1.565**	± 2.217	0.609	**3.156**	± 4.817	0.466	**2.737**	± 3.082	0.270	TATAAACCAACATCAACAAAACTTCCCTTAGCATTGCTATCTAAAAAAGAA
chromosome	434333	BB_0420	*hk1*	**0.075**	± 0.138	0.120	**0.012**	± 0.023	0.097	**0.309**	± 0.371	0.134	**0.254**	± 0.338	0.224	TAAACCAACATCAACAAAACTTCCCTTAGCATTGCTATCTAAAAAAGAAAA
chromosome	434643	BB_0420	*hk1*	**0.158**	± 0.216	0.052	**0.209**	± 0.205	0.085	**1.100**	± 1.310	0.807	**0.670**	± 0.569	0.289	ACACCATTTTTTTGGCTGATAATTCTCAAGAGTTAGTATTGGCCTTAAAAA
chromosome	434674	BB_0420	*hk1*	**0.321**	± 0.575	0.092	**0.365**	± 0.375	0.010	**0.780**	± 0.349	0.469	**1.189**	± 0.738	0.350	TATGAAGATATCTTAAGGTTAAAAAACGTTAACACCATTTTTTTGGCTGAT
chromosome	435277	BB_r01	*5S_rrlA*	**0.026**	± 0.026	0.025	**0.258**	± 0.425	0.184	**0.596**	± 0.188	0.186	**0.370**	± 0.159	0.060	TCATTCCGAACACAGAAGTTAAGCTCTTATTCGCTGATGGTACTGCGAGTT
chromosome	436105	BB_r02	*23S_rrlA*	**0.521**	± 0.180	0.057	**0.605**	± 0.147	0.108	**0.641**	± 0.291	0.089	**0.775**	± 0.358	0.285	TGTGTAGGATAGGTGGGAGACTTTGAAGCTATCTCGTCAGGGGTAGTGGAG
chromosome	436476	BB_r02	*23S_rrlA*	**0.132**	± 0.231	0.059	**0.358**	± 0.401	0.130	**0.952**	± 1.600	0.957	**0.223**	± 0.203	0.026	GGTCGTACTTATCCCGAAGTTACGTACGTATTTTGCAGAGTTCCTTAACGT
chromosome	436798	BB_r02	*23S_rrlA*	**0.101**	± 0.178	0.075	**0.061**	± 0.107	0.017	**0.413**	± 0.526	0.034	**0.039**	± 0.069	0.046	TTAACCCGTTTCCCATCGACTACACTTTTCAGCTTTGCCTTAGGGGCCGAC
chromosome	437188	BB_r02	*23S_rrlA*	**0.411**	± 0.435	0.427	**1.094**	± 1.095	0.842	**0.452**	± 0.614	0.387	**0.889**	± 1.611	0.835	AGGTCTCAAAAATGTGTTAAGTGGAAAAGGAGGTTTAGGTACGTAAACAGC
chromosome	437543	BB_r02	*23S_rrlA*	**0.656**	± 0.335	0.105	**0.938**	± 0.406	0.758	**0.614**	± 0.250	0.234	**0.807**	± 0.427	0.535	AAAGGGCGATTTAGTTAGATGTGGTAGACCCGAAGCCGAGTGATCTATTTA
chromosome	438349	IG 40		**1.137**	± 1.111	0.882	**1.355**	± 1.182	0.469	**1.268**	± 1.286	0.288	**1.854**	± 1.838	0.415	TATTTTATTTTTTATGTTATTTAAACAACACATTCAAAAACACCAATATTT
chromosome	438522	BB_r03	*5S_rrlB*	**0.029**	± 0.025	0.041	**0.280**	± 0.447	0.220	**0.568**	± 0.240	0.247	**0.385**	± 0.148	0.069	TCATTCCGAACACAGAAGTTAAGCTCTTATTCGCTGATGGTACTGCGAGTT
chromosome	439350	BB_r04	*23S_rrlB*	**0.511**	± 0.172	0.045	**0.615**	± 0.150	0.101	**0.643**	± 0.296	0.084	**0.773**	± 0.348	0.256	TGTGTAGGATAGGTGGGAGACTTTGAAGCTATCTCGTCAGGGGTAGTGGAG
chromosome	439721	BB_r04	*23S_rrlB*	**0.166**	± 0.289	0.042	**0.409**	± 0.357	0.060	**0.975**	± 1.510	0.979	**0.212**	± 0.203	0.019	GGTCGTACTTATCCCGAAGTTACGTACGTATTTTGCAGAGTTCCTTAACGT
chromosome	440043	BB_r04	*23S_rrlB*	**0.248**	± 0.448	0.241	**0.072**	± 0.129	0.057	**0.519**	± 0.677	0.080	**0.115**	± 0.209	0.135	TTAACCCGTTTCCCATCGACTACACTTTTCAGCTTTGCCTTAGGGGCCGAC
chromosome	440433	BB_r04	*23S_rrlB*	**0.337**	± 0.346	0.295	**1.053**	± 0.993	0.917	**0.456**	± 0.687	0.373	**0.834**	± 1.419	0.758	AGGTCTCAAAAATGTGTTAAGTGGAAAAGGAGGTTTAGGTACGTAAACAGC
chromosome	440788	BB_r04	*23S_rrlB*	**0.660**	± 0.339	0.083	**0.951**	± 0.397	0.773	**0.603**	± 0.238	0.228	**0.784**	± 0.399	0.476	AAAGGGCGATTTAGTTAGATGTGGTAGACCCGAAGCCGAGTGATCTATTTA
chromosome	442346	BB_0421		**0.555**	± 0.700	0.629	**0.651**	± 0.879	0.712	**0.595**	± 0.733	0.665	**0.990**	± 0.961	0.991	ATTTTCATTAATACTAATTTCTTTTAATTGGCTCCTTATATTTTTAACTTC
chromosome	442356	BB_0421		**1.011**	± 0.697	0.983	**0.864**	± 0.521	0.638	**1.141**	± 0.984	0.861	**1.011**	± 0.824	0.988	TTAATGAAAATTATCTTGTAACGGCGAATGGGGCTGAAGTGTTTTTGCAAG
chromosome	442646	IG 41		**0.879**	± 0.199	0.337	**1.273**	± 0.886	0.554	**0.655**	± 0.221	0.006	**0.977**	± 0.459	0.905	TATTTTTTTAAAAAAATTTAAAAAAATATAATTAAATGAAAATCAACGCCT
chromosome	443012	BB_0422		**0.817**	± 0.214	0.152	**1.829**	± 1.178	0.269	**0.772**	± 0.236	0.085	**0.876**	± 0.338	0.662	ATGCATACCATATATTATATACACATAAGAATATCCTCCTATTCTATACAT
chromosome	443028	BB_0422		**0.871**	± 0.794	0.767	**1.653**	± 0.894	0.025	**0.390**	± 0.236	0.160	**1.380**	± 0.977	0.380	TAATATATGGTATGCATTATATGTTTAACGTTGTGACTGCAGATAAAAATA
chromosome	443190	BB_0422		**1.081**	± 0.671	0.661	**1.253**	± 1.449	0.713	**0.719**	± 0.309	0.191	**1.051**	± 0.390	0.835	ATTTGTTGATCAGAAAGATCGACAAAGAGGAAATAGTTACCAGAATTGTTG
chromosome	443217	BB_0422		**0.687**	± 0.512	0.063	**0.941**	± 0.600	0.699	**0.258**	± 0.232	0.076	**0.680**	± 0.360	0.341	CTACCGTTGCAAAGTTATTGCTTGGTAATTTGTTGATCAGAAAGATCGACA
chromosome	444299	IG 42		**1.157**	± 0.760	0.643	**1.861**	± 1.331	0.420	**1.888**	± 1.286	0.310	**1.666**	± 0.867	0.208	AAAACATACTTAATTACAATTTAGGGCATAAGCCCAATGGAGGTTAAGGGA
chromosome	448245	BB_0429		**0.843**	± 0.189	0.360	**1.314**	± 0.870	0.493	**0.659**	± 0.146	0.095	**0.844**	± 0.197	0.363	TAAACCTCTTCGGGATTTTCTAAGCTTTCAATCAAGCTTTCTGCCCTGTCA
chromosome	450091	BB_0431		**0.762**	± 0.736	0.704	**1.748**	± 0.670	0.037	**0.581**	± 0.423	0.108	**1.171**	± 0.393	0.561	TATGAATATGACAAGGAAAGCAATGCTGCAAAAGATTTTTTAGAGCTCTCA
chromosome	450978	IG 43		**1.196**	± 0.856	0.752	**1.430**	± 0.650	0.435	**0.342**	± 0.140	0.109	**1.333**	± 1.316	0.707	TTTGTAGTTAAATTTAAAAGTAAAAAAATAATATTTAAAAAATGAACAATA
chromosome	470334	BB_0450	*rpoN*	**0.505**	± 0.279	0.112	**0.667**	± 0.335	0.281	**0.462**	± 0.170	0.068	**0.800**	± 0.228	0.356	CATTGCAAAAAGAATTTCTAAGAAGAGGATTTAAAAGCTTAAGGCCAATGA
chromosome	470340	BB_0450	*rpoN*	**0.926**	± 0.963	0.589	**1.262**	± 1.815	0.691	**0.658**	± 0.620	0.399	**0.760**	± 0.584	0.614	TATATACATTGCAAAAAGAATTTCTAAGAAGAGGATTTAAAAGCTTAAGGC
chromosome	470344	BB_0450	*rpoN*	**0.387**	± 0.382	0.169	**0.946**	± 1.423	0.957	**0.507**	± 0.224	0.004	**0.424**	± 0.262	0.133	GCTATATATACATTGCAAAAAGAATTTCTAAGAAGAGGATTTAAAAGCTTA
chromosome	470961	BB_0450	*rpoN*	**1.244**	± 1.932	0.571	**0.760**	± 1.454	0.043	**0.169**	± 0.355	0.248	**0.838**	± 1.524	0.221	CTTCTTTAAAAGAACACCTTTTACTGCAATTAAGAATTCAAAGAATAAATG
chromosome	470986	BB_0450	*rpoN*	**0.820**	± 0.322	0.491	**1.387**	± 0.467	0.200	**0.689**	± 0.130	0.142	**0.873**	± 0.480	0.637	GCTCTTGAAAAAACACAAACAAATACTTCTTTAAAAGAACACCTTTTACTG
chromosome	473038	BB_0453		**0.718**	± 0.219	0.294	**1.077**	± 0.802	0.816	**0.523**	± 0.264	0.004	**0.812**	± 0.307	0.104	ACAAAGAAATTATTAAAATTCCAAACAGTAAGCTTACATCCAATTTTGTTG
chromosome	480445	BB_0459		**1.193**	± 0.991	0.724	**1.485**	± 1.425	0.454	**0.807**	± 0.346	0.574	**0.454**	± 0.213	0.106	AAGCTATTTTAAATTTTCCTAATATTTATACGATCTACAATATGCATATTG

chromosome	481500	BB_0460	**0.815**	± 0.885	0.832	**3.126**	± 3.824	0.384	**0.642**	± 1.129	0.632	**0.989**	± 0.961	0.990	TCTTGGAAAGATTGTTGTGAATTTTTTTTCCAATTCTTTTTGACTGTGTTT
chromosome	481558	BB_0460	**0.897**	± 1.063	0.884	**1.200**	± 1.206	0.835	**0.534**	± 0.432	0.397	**1.110**	± 1.137	0.856	ACATAAAAATCTTTAATTCTACTATTTAGCTGTTCTTTTAATACGTTTATT
chromosome	481910	BB_0460	**0.461**	± 0.345	0.166	**0.652**	± 0.669	0.538	**1.150**	± 0.701	0.705	**0.912**	± 0.797	0.808	TATGGAGAATATTATTGTTTTGCAGTATTTCATTTTCTTTGATATTTTTAG
chromosome	485312	IG 44	**0.904**	± 0.559	0.740	**2.753**	± 2.126	0.276	**0.839**	± 0.376	0.666	**1.432**	± 0.716	0.372	AGGGTAATTTACAACTTATTCCTTTTAAGAGATAGACTTATAAAAATTAAC
chromosome	492227	IG 45	**0.821**	± 0.601	0.421	**0.629**	± 0.423	0.295	**0.399**	± 0.435	0.275	**0.501**	± 0.524	0.056	AAAATAAAAATTCAAAATCAGAAATACCTCTCTGCAAATTTTTATCAATCT
chromosome	494403	BB_0475	**0.858**	± 0.522	0.681	**1.233**	± 1.202	0.704	**0.675**	± 0.414	0.178	**0.731**	± 0.483	0.530	GCACTATAAAAATCAACCAAAAAGTAGAAATAGTAAACTACAAATCCGACA
chromosome	494479	BB_0475	**1.147**	± 1.135	0.838	**0.306**	± 0.255	0.026	**1.130**	± 0.941	0.805	**1.047**	± 0.411	0.810	ATTGTTTTTATGTCTTGCATGAAAACAAGCACAATAAAATCAAAAGAAAAT
chromosome	494783	IG 46	**0.671**	± 0.380	0.192	**1.098**	± 0.601	0.821	**0.789**	± 0.441	0.509	**0.759**	± 0.343	0.492	TATGTGTAGTGAATTGAGTTTAAAAGTTTAAGCGTATTGACTATATTTTGT
chromosome	511099	BB_0505	**0.176**	± 0.176	0.149	**0.551**	± 0.610	0.207	**0.386**	± 0.588	0.351	**0.599**	± 0.517	0.379	TGTTTGCTTATTTAGGTAATCATTTATTTTGCAATTAGAATACACATGATT
chromosome	511102	BB_0505	**0.176**	± 0.183	0.269	**0.478**	± 0.924	0.609	**0.875**	± 0.867	0.839	**0.489**	± 0.733	0.590	TATCTTAAGGCCAAATAATTTTTCAGATTTGTTAGATGGGCATGGTTATTG
chromosome	511104	BB_0505	**0.323**	± 0.300	0.213	**0.680**	± 0.691	0.501	**0.940**	± 0.448	0.885	**0.467**	± 0.357	0.060	TCTTAAGGCCAAATAATTTTTCAGATTTGTTAGATGGGCATGGTTATTGTT
chromosome	511389	BB_0505	**0.506**	± 0.392	0.189	**0.746**	± 0.808	0.078	**1.031**	± 0.884	0.832	**1.059**	± 0.954	0.142	TGACTCAAGATGAAAGAATATTGTCAAAGGGGACAGCCTATATTAGTGATA
chromosome	511426	BB_0505	**0.459**	± 0.327	0.044	**0.792**	± 0.869	0.687	**2.016**	± 1.817	0.282	**1.188**	± 0.761	0.148	GGCTGTCCCCTTTGACAATATTCTTTCATCTTGAGTCATAACATGGGTATG
chromosome	511429	BB_0505	**0.594**	± 0.268	0.012	**0.762**	± 0.682	0.531	**0.901**	± 0.199	0.513	**0.846**	± 0.191	0.279	TATTAGTGATATTGGGATGACAGGTGGATTAAATTCTGTAATAGGATTTAA
chromosome	511431	BB_0505	**0.489**	± 0.263	0.045	**0.719**	± 0.674	0.216	**1.040**	± 0.650	0.730	**0.933**	± 0.517	0.206	TTAGTGATATTGGGATGACAGGTGGATTAAATTCTGTAATAGGATTTAATC
chromosome	511578	BB_0505	**0.351**	± 0.322	0.078	**0.727**	± 0.793	0.150	**0.914**	± 0.821	0.346	**0.758**	± 0.647	0.256	ATTTAAAGACAGGCCGCGCTTTAAAAATTGAAAGGATTCAGAAATAATTTA
chromosome	527312	IG 47	**1.302**	± 1.502	0.713	**5.557**	± 6.761	0.350	**0.491**	± 0.706	0.349	**2.387**	± 3.590	0.501	ATAAAAACTATTTTAAAAAATTTCCTAACTCAACAGATGCAATAAACCCCT
chromosome	527735	BB_0516	**0.990**	± 1.458	0.954	**1.346**	± 1.278	0.605	**0.423**	± 0.513	0.260	**1.562**	± 1.689	0.382	GATCTTGTAATTACTACTCAAAAACGCAGCGCAAAAGACAATTCAACAGTT
chromosome	531910	IG 48	**0.885**	± 0.575	0.073	**1.490**	± 1.345	0.378	**0.673**	± 0.338	0.156	**1.050**	± 0.563	0.456	TAAGAATATTTTTGGTATCATTTTTTGATTTTGTTGTGTTTTTAGTGCTTT
chromosome	533659	IG 49	**0.686**	± 0.891	0.609	**1.176**	± 1.606	0.836	**0.929**	± 1.086	0.816	**1.810**	± 2.064	0.417	TTAATAATATTTTTTGCTGGAAAAATTGAAAAATAGCTTTTTAAGTTAAAA
chromosome	533745	IG 50	**1.496**	± 1.401	0.632	**1.306**	± 0.980	0.656	**1.025**	± 0.609	0.963	**2.124**	± 1.308	0.237	TGTCTATTAAACAGATTTAAAGGTATAAAAACTTAATTTTAACTTAAAAAG
chromosome	533790	IG 51	**1.166**	± 0.579	0.705	**1.125**	± 1.089	0.854	**0.679**	± 0.404	0.361	**1.175**	± 0.790	0.608	TTAATATTATTAATTTTTATGTTGTGACAGCTTAAATAACACAAGTCCTTT
chromosome	533824	IG 52	**0.362**	± 0.297	0.220	**0.591**	± 0.472	0.510	**0.235**	± 0.200	0.167	**0.923**	± 0.771	0.898	AATAACACAAGTCCTTTTTAAGTGTTAAATCATGTCAATAATTATTTATTG
chromosome	534361	BB_0524	**2.852**	± 1.778	0.007	**2.855**	± 2.793	0.217	**1.542**	± 1.549	0.652	**2.602**	± 1.906	0.039	AGTGGTTGTGCTAAATTAATTTTAGATTTTAAATCTGATGGGTCTATTGTA
chromosome	534851	BB_0524	**1.406**	± 1.927	0.611	**0.102**	± 0.187	0.076	**0.951**	± 1.010	0.886	**0.758**	± 1.390	0.675	TGAGAAGAAATATCAAGATTAAATAACCTTATAATAGACCTTGAAACTGCA
chromosome	535234	BB_0525	**1.136**	± 0.346	0.568	**1.664**	± 0.925	0.398	**1.094**	± 0.382	0.755	**1.021**	± 0.474	0.884	GCTTGTTTAAGGTCCAGCTTGAAAATTTTATGTAAAGCATTTTAAATGGAT
chromosome	538411	BB_0528	**0.698**	± 0.085	0.045	**0.959**	± 0.150	0.524	**0.801**	± 0.180	0.141	**0.809**	± 0.229	0.249	CTTTATCATTAATTTCTGCTTTAAATGAATTTACGTTTGATTCTACATAAT
chromosome	539372	BB_0530	**1.533**	± 1.687	0.555	**0.830**	± 0.981	0.855	**0.373**	± 0.551	0.450	**0.496**	± 0.614	0.372	GTTTGTTAATATTTTTTAGCAATTTTTCTTTATTAAAATCTCTATTTATTC
chromosome	539539	BB_0530	**0.547**	± 0.247	0.133	**1.150**	± 0.625	0.748	**0.885**	± 0.470	0.544	**1.043**	± 0.481	0.863	AATAGTTTTGAAGCAATGCTTGTCATGTGAGTATCCATTGGCACTATAAGC
chromosome	539787	BB_0530	**0.393**	± 0.187	0.067	**0.582**	± 0.372	0.113	**0.641**	± 0.625	0.335	**0.607**	± 0.547	0.420	TTATAAAAACCAAGATTTTATACTTAGCATAGATGAATTAATAAAGCATAT
chromosome	540125	BB_0530	**0.717**	± 0.367	0.057	**1.247**	± 0.734	0.428	**0.938**	± 0.514	0.794	**1.253**	± 0.317	0.127	TTCAAAATACAATAAAAAAAAATTTATACATCCTGATCCTTTAGAATTTCT
chromosome	540183	BB_0531	**0.784**	± 0.744	0.717	**0.272**	± 0.317	0.042	**0.816**	± 0.737	0.711	**1.384**	± 0.969	0.546	TTCTAATAGTTCTAATAATATTTTTTTAAGTTTTTTGTCGTAAAGTTTGTC
chromosome	541213	BB_0532	**0.719**	± 0.444	0.558	**0.844**	± 0.663	0.026	**0.658**	± 0.410	0.502	**0.769**	± 0.542	0.242	GATGCAATATCAGCTTTTTCATTAAGGATATTGGCAGGCTCAATTAAATAG
chromosome	541438	BB_0532	**1.427**	± 1.013	0.589	**1.423**	± 1.229	0.661	**1.200**	± 0.917	0.779	**1.379**	± 1.218	0.552	AGTAAAACAGAATCATATAGTTTTTGGTTATTGCTAATAAGGGCTTTTTTA
chromosome	544951	BB_0536	**0.979**	± 0.679	0.951	**1.239**	± 1.271	0.525	**0.622**	± 0.616	0.024	**0.842**	± 0.837	0.221	ATAAGTGAAATCAAAACTAGTAGCAGCATTAATGTCAGCACCAAATTGCAT
chromosome	545430	BB_0536	**0.518**	± 0.680	0.620	**0.284**	± 0.575	0.473	**0.492**	± 0.585	0.444	**1.386**	± 1.482	0.603	GGCTCTCCAACTTCCAAATCTTCTAAAAGTAAAAATTTATCCTTAAGCTCT
chromosome	547074	BB_0536	**1.176**	± 1.161	0.692	**2.295**	± 2.779	0.137	**0.834**	± 0.869	0.655	**0.891**	± 0.998	0.690	CTACCGAGCCTAAGGAGCTGGACAATGTCTTAAATTCTATTAATCGCTATA
chromosome	548301	BB_0537	**0.818**	± 0.224	0.324	**1.077**	± 0.406	0.491	**0.564**	± 0.179	0.058	**0.845**	± 0.248	0.307	TTGTCCTAGCATCTAAGTTACTAGGATTTAGTCGAATTTCTTCTAACGTGT
chromosome	553011	BB_0542	**0.892**	± 0.471	0.358	**1.080**	± 0.713	0.594	**0.768**	± 0.526	0.166	**0.845**	± 0.825	0.600	AGAGTTAATTTTTAAGTTTTTTTGTTTACTTTTTGCTTGTGGTAATCTTTA
chromosome	562118	IG 53	**0.992**	± 1.098	0.989	**0.528**	± 0.532	0.407	**0.600**	± 0.389	0.171	**1.246**	± 0.923	0.714	GTAAAGTCGGTTTTTGCTTGTTAGAATTGTTTGATAAAATAATAAAGAATA
chromosome	562121	IG 54	**0.536**	± 0.232	0.029	**0.512**	± 0.421	0.343	**0.736**	± 0.278	0.100	**0.936**	± 0.422	0.049	AAGTCGGTTTTTGCTTGTTAGAATTGTTTGATAAAATAATAAAGAATATGT
chromosome	564192	BB_0553	**0.843**	± 0.851	0.817	**1.136**	± 1.186	0.828	**0.151**	± 0.082	0.079	**0.101**	± 0.180	0.125	AATAAAAATAAACACTTTTATCCAACTAATCTAAGTAACTTTTTATGTCTT
chromosome	564240	BB_0553	**1.262**	± 1.450	0.314	**1.500**	± 1.640	0.175	**0.680**	± 0.672	0.409	**0.918**	± 0.848	0.838	ATTCCTAGTTCGTGGATATTTTTGACTTCTATTAAGTTTCTAAAAAATTCT
chromosome	564404	BB_0553	**1.095**	± 0.174	0.520	**1.212**	± 0.521	0.586	**0.911**	± 0.280	0.524	**0.983**	± 0.237	0.923	CTATATTGAAATAGATCCCACTAACAATTTAAATGAGGCTTTAAAAAATCA
chromosome	564472	BB_0553	**0.986**	± 0.409	0.887	**1.442**	± 1.074	0.445	**0.750**	± 0.176	0.217	**0.987**	± 0.320	0.867	TGTCAGGGTAGATTTGAAAATCTGCTGTTTTTATCATAGTTGTTTTTGGGG
chromosome	564832	BB_0553	**0.634**	± 0.222	0.090	**1.352**	± 0.236	0.121	**0.512**	± 0.435	0.179	**0.796**	± 0.456	0.545	AAAAGAAAAATCAGCGCAAATGAAGCAATAAACAAAGAAAATCAAAAAAAA
chromosome	565683	IG 55	**0.771**	± 0.157	0.106	**1.025**	± 0.500	0.952	**0.320**	± 0.108	0.008	**0.667**	± 0.161	0.027	AGGTCCTTGTTTTTATTCAGAAAACATCTATAATTTATAATGTTAGCATAA
chromosome	565712	IG 56	**1.527**	± 0.618	0.332	**1.389**	± 0.730	0.483	**0.812**	± 0.204	0.281	**1.065**	± 0.337	0.267	TAGATGTTTTCTGAATAAAAACAAGGACCTTATGAATAAAACAAAAAATCG
chromosome	565713	IG 57	**0.964**	± 0.874	0.826	**1.117**	± 0.947	0.753	**0.976**	± 0.489	0.941	**0.867**	± 0.680	0.581	TAATTTATAATGTTAGCATAATTTGTCCATTTATCAAAAGAGATAAAAATA

chromosome	566271	BB_0554	**1.710**	± 1.947	0.536	**1.722**	± 2.066	0.194	**1.523**	± 1.434	0.519	**1.247**	± 1.531	0.168	GTTATTCTTCTGGATTTACAAAGAAAGAGTCTGGAACTTGCAATGTTTTGA
chromosome	566514	BB_0554	**0.288**	± 0.325	0.140	**1.197**	± 1.567	0.879	**0.846**	± 1.405	0.898	**0.225**	± 0.270	0.127	GACCAGTAATTATCAAGAGAATTTATTTTTATTTTGTCTTTACTTACACCA
chromosome	567281	BB_0554	**0.266**	± 0.338	0.397	**0.948**	± 1.141	0.852	**0.541**	± 1.071	0.705	**0.923**	± 1.062	0.939	ATACACTCTCGCCTATCAAAAAAATTTACACTGCTATAAGGCAAGCCCAGTG
chromosome	567598	BB_0554	**0.749**	± 0.419	0.167	**0.914**	± 0.547	0.451	**0.638**	± 0.452	0.028	**0.929**	± 0.540	0.383	ATCAACCGCTAATCCAAATATTGTGCGAATTCTCTTGTTATTTAACTTAAG
chromosome	567801	BB_0554	**0.718**	± 0.263	0.239	**0.871**	± 0.368	0.557	**0.635**	± 0.272	0.130	**0.773**	± 0.291	0.188	CTCCAACTATTTAAAATTTCTTCAAAATCAAGGGGCGTTTTGCTTGCATTA
chromosome	567987	BB_0555	**0.759**	± 0.207	0.132	**1.639**	± 1.254	0.490	**1.099**	± 0.723	0.846	**0.827**	± 0.203	0.392	AATCAGAATAAACAAGTTTGAAATCCAATAAAATTAAAAAAAATCTGTTAT
chromosome	568020	BB_0555	**0.602**	± 0.108	0.022	**0.965**	± 0.187	0.710	**0.625**	± 0.102	0.041	**0.778**	± 0.211	0.033	CATTCCGACCATTTAAAATAAAAGCGGGAATTAAATCAGAATAAACAAGTT
chromosome	568210	BB_0555	**0.346**	± 0.209	0.101	**0.777**	± 0.221	0.195	**0.226**	± 0.150	0.038	**0.288**	± 0.113	0.043	CAATTACATTTTAATGACTTTCTATAGCCTAAAATATCTGATTTGCTTACA
chromosome	568222	BB_0555	**0.436**	± 0.218	0.096	**0.898**	± 0.792	0.815	**0.526**	± 0.376	0.110	**0.807**	± 0.386	0.285	ATACTTTTTTATCTCTTTATTTGAAAGCTGAAGAATTGTATAGAAAAAATG
chromosome	568582	BB_0556	**0.434**	± 0.135	0.052	**0.265**	± 0.341	0.168	**0.461**	± 0.133	0.054	**0.908**	± 0.306	0.740	AATATATTTTATCATTAAATTTTGAAATAAATTCATAAAACAAACTTGGAA
chromosome	568718	BB_0556	**0.785**	± 0.269	0.393	**0.695**	± 0.234	0.097	**0.658**	± 0.105	0.076	**0.651**	± 0.188	0.112	TAAGCACTAAAAACATAAGTTTTTTTGGTTAAAACATTTTTAAACTCAATT
chromosome	568739	BB_0556	**1.227**	± 1.067	0.779	**2.758**	± 1.016	0.020	**0.448**	± 0.316	0.272	**0.579**	± 0.780	0.417	TATTCAGCTCTATTTAAATTATAAGCACTAAAAACATAAGTTTTTTTGGTT
chromosome	568772	BB_0556	**0.969**	± 0.299	0.764	**1.390**	± 1.031	0.445	**0.710**	± 0.197	0.247	**0.819**	± 0.365	0.027	AATTTAAATTTCCAATGATGAATTTATGGAACAGAAGCTTTTATCATAAAA
chromosome	575962	IG 58	**0.915**	± 0.349	0.714	**1.129**	± 0.566	0.051	**0.693**	± 0.269	0.254	**0.847**	± 0.327	0.496	AAAAGTTTTAAAAAAGAACAATTGTTGAAAAATCAAACCGAGCTCCCAAAA
chromosome	576237	BB_0563	**1.042**	± 1.316	0.886	**1.561**	± 2.387	0.302	**0.797**	± 0.927	0.785	**1.177**	± 1.535	0.650	ATATTTTGGATTTTTCAGTTGGCGCAGGGGGATATGGAACAATATGGTTTT
chromosome	576257	BB_0563	**1.789**	± 1.096	0.086	**0.724**	± 0.494	0.148	**1.368**	± 0.725	0.260	**1.729**	± 1.799	0.393	CACATTCCCGGGAGCTGCTAATATTTTGGATTTTTCAGTTGGCGCAGGGGG
chromosome	576318	BB_0563	**0.959**	± 0.691	0.908	**1.390**	± 1.177	0.673	**0.339**	± 0.562	0.420	**0.607**	± 0.490	0.399	TTTACTCCGCTGTAAAGACCAATGTCAAGATCAAAGTTTCCTATATTAATC
chromosome	576468	BB_0563	**0.012**	± 0.021	0.095	**1.627**	± 1.062	0.162	**0.443**	± 0.608	0.402	**0.585**	± 0.581	0.292	TTATTTTATTAGCCCCAATCTCAGGATTTTCTAATTCAAAAGAATCTGCAA
chromosome	576510	IG 59	**0.730**	± 0.201	0.120	**1.260**	± 0.399	0.295	**0.913**	± 0.270	0.643	**1.345**	± 0.452	0.399	TCTCCTAAGTATAGCATTCTAGCCTTTAAAAGAATTTTAGTCCAATAATTT
chromosome	576571	IG 60	**1.582**	± 0.590	0.223	**1.971**	± 1.091	0.247	**1.135**	± 0.628	0.793	**1.389**	± 0.524	0.080	AAAAGTGAAAACTATATCTTAAGAGAGCCTTTTATTCCAATAGAAAAGTTA
chromosome	577481	BB_0565	**0.886**	± 0.467	0.793	**1.792**	± 1.652	0.475	**0.359**	± 0.261	0.135	**1.387**	± 0.726	0.399	TGTTGTTGAGGTTTTAGAATATACTAAGATATCAAAAATCCCAAGGACTCC
chromosome	577911	BB_0565	**0.964**	± 0.129	0.471	**1.284**	± 0.531	0.477	**0.738**	± 0.159	0.083	**0.965**	± 0.325	0.864	TATGATCCTGAATATCAGCAGCAATAGGAGTTTTTAGTCATGATTTATAGG
chromosome	577944	IG 61	**1.254**	± 0.368	0.311	**0.882**	± 0.604	0.732	**0.889**	± 0.659	0.816	**0.549**	± 0.467	0.289	AAAACTCCTATTGCTGCTGATATTCAGGATCATATATTGTTGTATTTCTAA
chromosome	578116	BB_0566	**0.887**	± 0.352	0.744	**2.590**	± 1.964	0.235	**0.788**	± 0.329	0.204	**1.668**	± 0.963	0.217	TTAGATGCATACAAAATTTGTATAAAAGTAATATCTATTTTTTCAACATTT
chromosome	579080	BB_0567	**0.718**	± 0.534	0.546	**1.068**	± 0.569	0.853	**0.618**	± 0.418	0.128	**0.802**	± 0.315	0.550	TTTAGAGGCAAATGAAGGTGATAATGTAGAGTCTAAAAATTTTAATTTGTT
chromosome	579274	BB_0567	**0.895**	± 0.166	0.332	**1.396**	± 0.748	0.331	**0.718**	± 0.136	0.112	**0.962**	± 0.261	0.166	ATACTAGCAATATTAACCTTGCTTCTAGCAGTATCATCTTGAATATTAGAT
chromosome	579331	BB_0567	**0.350**	± 0.143	0.064	**0.529**	± 0.183	0.140	**0.535**	± 0.167	0.033	**0.810**	± 0.261	0.509	CAATACAATCAAAACTTTCAAAAGAAGCTGAAAATAGGAATAGTAATATTT
chromosome	580054	BB_0567	**0.127**	± 0.167	0.133	**0.644**	± 0.631	0.601	**0.459**	± 0.320	0.285	**0.653**	± 0.328	0.254	AAATGCTCATCTTTTACTCTAACAAGCCAACCCTCAATAATAGCCAAAGTC
chromosome	580495	BB_0568	**0.969**	± 0.664	0.941	**1.680**	± 2.031	0.599	**0.845**	± 0.651	0.747	**1.008**	± 0.653	0.986	TTAGTAATTGATATTCAAGGTCTTATAAAGCAGGTTTTTGTTAGAGCTTTT
chromosome	580783	BB_0568	**0.749**	± 0.391	0.037	**1.257**	± 1.124	0.609	**0.566**	± 0.296	0.025	**0.728**	± 0.316	0.039	ATTTAACCTTTTCCTTGCTTTGCTCAAGACATCCAAAATTTGGTAACATTT
chromosome	581300	BB_0568	**0.767**	± 0.660	0.513	**1.050**	± 0.744	0.926	**0.718**	± 0.578	0.350	**0.929**	± 0.817	0.917	GCAATTATTACAAGACCTGGACGAAGAATGTCTCCATCCTCAGCTTCTTTA
chromosome	581359	BB_0568	**0.872**	± 0.475	0.685	**1.318**	± 0.571	0.468	**1.021**	± 0.607	0.921	**1.513**	± 0.963	0.173	ATAGGTTTACAAAATAATTTCCGCTACTATATTTTACAATCAAATGATAAC
chromosome	581378	BB_0568	**0.832**	± 0.765	0.792	**0.970**	± 0.642	0.904	**0.605**	± 0.687	0.183	**0.519**	± 0.340	0.308	GTAGACATAAGCCTTCTGTGAATGTACTTTTTAGGTCTGCTGCAATGTATG
chromosome	582416	BB_0569	**0.692**	± 0.281	0.212	**1.279**	± 0.517	0.410	**0.772**	± 0.325	0.038	**1.059**	± 0.455	0.863	AATATTATGTATTCTAATATTGATGTTTTTAAATTTAGAGATATAAGTGAG
chromosome	583086	BB_0569	**0.789**	± 0.869	0.229	**1.798**	± 1.731	0.379	**0.627**	± 0.604	0.620	**0.508**	± 0.589	0.108	TTGATAATATTTTGTCTTATGAAGTTTTTTCAATTGAATTTATGGAAATAT
chromosome	583193	BB_0569	**0.743**	± 0.320	0.398	**0.996**	± 0.927	0.993	**0.671**	± 0.468	0.150	**1.167**	± 0.589	0.638	GATATAGATAACTTTTTAAGCAATATGGAAAGCAAAATAAATTTCAATCTT
chromosome	583308	BB_0569	**1.235**	± 0.992	0.010	**1.730**	± 1.952	0.372	**1.148**	± 1.194	0.533	**0.819**	± 0.573	0.712	GAATTGCTAATCGATTTACTTTATTTGTTCATAAAAAACACTTATTATCTT
chromosome	583406	BB_0569	**1.000**	± 0.758	1.000	**2.044**	± 1.944	0.357	**0.995**	± 0.690	0.990	**1.255**	± 0.602	0.590	ATTTTGTTTTAATTTTTATATACTTTTTAGGAGGGTTTTAGGAGAAAATTA
chromosome	583497	BB_0570	**0.853**	± 0.533	0.702	**1.187**	± 0.989	0.793	**0.494**	± 0.320	0.347	**0.847**	± 0.499	0.646	TTGCCCTATTGTCATCAATAACCAAAATTCTTTTTTTCATCTAATTTTCTC
chromosome	583575	BB_0570	**1.084**	± 0.785	0.877	**1.059**	± 0.478	0.890	**0.573**	± 0.434	0.377	**0.854**	± 0.316	0.466	AAACCCCTTCTAAACCATCTTTTGCTTCTGAGACTCCAAAACCGTTTTGTT
chromosome	583677	BB_0570	**1.140**	± 0.503	0.510	**1.708**	± 0.743	0.151	**1.051**	± 0.486	0.729	**1.404**	± 0.604	0.040	TCTGCTTAATAACCCCAATGCCGTCTAAATTAGGCATGTTGATATCTGTAA
chromosome	589848	BB_0576	**1.328**	± 1.017	0.671	**3.086**	± 2.384	0.279	**1.125**	± 0.588	0.769	**1.614**	± 0.901	0.345	TATCGTTTATTACTTTGGGTAAGCTAAAGGCAAGCCAAGTTATGCTAGATA
chromosome	589892	BB_0576	**1.447**	± 0.958	0.524	**1.202**	± 0.598	0.432	**0.790**	± 0.320	0.228	**1.033**	± 0.584	0.932	GCATAACTTGGCTTGCCTTTAGCTTACCCAAAGTAATAAACGATATAATCT
chromosome	589958	BB_0576	**0.412**	± 0.325	0.082	**0.421**	± 0.383	0.333	**0.191**	± 0.228	0.048	**0.685**	± 0.782	0.336	GTAAGAGTTATTAGATTGTTGAATAAATTGATAAGAGCATTTATTAAAAAA
chromosome	590202	BB_0576	**0.910**	± 0.433	0.508	**1.293**	± 1.061	0.445	**0.828**	± 0.503	0.348	**1.001**	± 0.485	0.994	ATCAAATTCATGTTCTCAAATATTAATTTAATATTAATAGTCAGCATGACT
chromosome	590247	IG 62	**0.560**	± 0.278	0.123	**0.281**	± 0.255	0.133	**0.933**	± 0.393	0.813	**0.732**	± 0.374	0.109	ATTATAATTAAATCATTGCCGAAAATGAAAGGGAAAATTATGTTAATCAAA
chromosome	590480	BB_0577	**0.861**	± 0.270	0.034	**1.436**	± 1.079	0.473	**0.936**	± 0.258	0.744	**0.930**	± 0.223	0.414	CTTCTCAATCTTTTTAGGAAAATTGCAAATCTTCCTTTTAATAAGCAATAT
chromosome	590768	BB_0577	**0.670**	± 0.267	0.135	**1.449**	± 1.129	0.432	**0.500**	± 0.209	0.087	**0.791**	± 0.394	0.520	CTGTAAATAATTTATCATCTTGCTTGAGGATAACTTTTTTGGGTTGCCAAA
chromosome	590975	IG 63	**1.026**	± 0.779	0.924	**0.886**	± 0.350	0.739	**0.674**	± 0.326	0.078	**0.819**	± 0.419	0.615	ATTTAATTTAATTTAATTTAAAACTAATTTTAAATTAAATTTACTTTCTTT

chromosome	591289	BB_0578		**0.890**	± 0.265	0.114	**1.351**	± 0.687	0.303	**0.731**	± 0.205	0.096	**1.109**	± 0.335	0.286	TAAGGCTCCTGTTAAGGAAATGCTAAAGGGATTTTATCATACCAAAGCTTC
chromosome	591897	BB_0578		**1.052**	± 1.124	0.944	**0.233**	± 0.403	0.094	**0.500**	± 0.411	0.169	**0.603**	± 0.566	0.359	ATATGGCTTATTATTCAAGAAACTGTGATTCTTTGATTGGCTCTGATACTT
chromosome	592427	IG 64		**0.689**	± 0.802	0.683	**0.986**	± 1.095	0.983	**0.219**	± 0.320	0.188	**1.107**	± 0.826	0.789	AAAATTAAAAAAGTCATAATAATTTTTAAATCTCTAATTTAAATTATTGCA
chromosome	596069	BB_0580		**1.276**	± 1.533	0.582	**1.001**	± 1.293	0.995	**1.170**	± 1.287	0.227	**1.200**	± 1.905	0.660	CATGTTGTCACAGAACCATTTTTATCTTTTTTTAGAAAAATTCCTCTTTTT
chromosome	596205	BB_0580		**0.463**	± 0.383	0.191	**0.395**	± 0.393	0.392	**0.726**	± 0.663	0.191	**0.906**	± 0.881	0.106	AGCTTTCTACATTTATTATTTTATTCATTGTTGAAGTTTGGGAGATATTTA
chromosome	597029	BB_0581	*recG*	**1.204**	± 0.497	0.559	**1.822**	± 1.322	0.424	**0.453**	± 0.299	0.193	**0.863**	± 0.557	0.026	ATGAAATTTTCTTGGACGTTAATCCCTCTGTCAAAGAATAAACCGGAAGAA
chromosome	597792	BB_0581	*recG*	**0.833**	± 0.449	0.213	**1.644**	± 2.139	0.598	**0.920**	± 0.636	0.595	**0.732**	± 0.935	0.543	TTCCTAGAAGTTTTGCATTAACACTTTTTGGTGATCTTGAAGTTTCGTTTA
chromosome	598014	BB_0581	*recG*	**0.424**	± 0.404	0.052	**0.471**	± 0.659	0.041	**0.520**	± 0.338	0.347	**1.128**	± 0.973	0.572	TTATTAACATCTTTTAATTCAAATTTTTCTGAAGATGAAATTAATGGATAA
chromosome	598564	BB_0581	*recG*	**0.819**	± 0.721	0.590	**2.004**	± 2.214	0.299	**0.445**	± 0.628	0.395	**0.987**	± 1.646	0.980	AGAACAAAAAAGATTGTCTAGTAAATCAATATCAAGCTTATCGTAAGCAGA
chromosome	598845	BB_0582		**0.862**	± 0.276	0.499	**0.958**	± 0.573	0.868	**0.699**	± 0.219	0.121	**1.219**	± 0.476	0.294	GATGATAATTTACTAAACACAAAAGAAGGAAAATGGCTTTATGAAAACTCT
chromosome	598848	BB_0582		**0.604**	± 0.531	0.452	**0.623**	± 1.060	0.693	**0.313**	± 0.472	0.321	**0.681**	± 0.566	0.534	TATTTATAAAATCTATTGCTGTTCCCATATGATGTTGAGAATGGCCTGGAA
chromosome	599352	BB_0582		**1.156**	± 0.401	0.618	**1.369**	± 0.401	0.274	**0.697**	± 0.429	0.213	**0.711**	± 0.313	0.129	TTTCTATTTATTAATTTATCTTTGTTGGCTAACAACATTTCAAAAAAAGAT
chromosome	600890	IG 65		**0.819**	± 0.567	0.578	**0.957**	± 0.792	0.954	**1.037**	± 0.785	0.700	**1.309**	± 1.090	0.247	ATCTTGGTGGATCTAGAATTCATTCTGATTATACTAATTTGAAAGCAATTC
chromosome	601548	BB_0584		**0.792**	± 0.737	0.588	**2.415**	± 2.763	0.438	**0.832**	± 0.800	0.754	**1.619**	± 0.747	0.170	ATTATATTTTTATTTTTGTTTTTCATATGGGAGTAGTTGGAGCTGCTATTG
chromosome	607171	BB_0588	*bgp*	**0.627**	± 0.146	0.048	**0.576**	± 0.497	0.189	**0.684**	± 0.152	0.086	**0.962**	± 0.189	0.807	AAAAAATAAAAAACTTTATTAAACAATTATTCATAAAATCACACTCCTTAT
chromosome	607225	BB_0588	*bgp*	**0.807**	± 0.586	0.724	**1.074**	± 0.604	0.762	**0.438**	± 0.240	0.188	**0.892**	± 0.576	0.826	TTAAAACATTGACATTTTTAGAAAAAGCAACATAACTGTTTGAAAAAACTA
chromosome	607302	BB_0588	*bgp*	**0.851**	± 0.231	0.425	**1.101**	± 0.308	0.268	**0.434**	± 0.339	0.083	**0.281**	± 0.193	0.066	CTCCTTAAGAACTATTTCTTCCTTATTAGACATAAGCTTATTTATCTGATC
chromosome	607476	BB_0588	*bgp*	**1.006**	± 0.951	0.988	**0.994**	± 1.128	0.995	**0.763**	± 0.662	0.441	**0.713**	± 0.535	0.114	TTTAGCACTAACAACGCCACCAGCAACGCCAGAATTAATGACATGACTTAT
chromosome	609981	BB_0591		**0.845**	± 0.234	0.304	**1.380**	± 0.793	0.409	**0.595**	± 0.202	0.029	**0.753**	± 0.262	0.085	ACTTACATTATTTATAATAACGAAACTAAAAAAAATTAAAATAATTTTAAA
chromosome	610468	BB_0591		**1.395**	± 0.466	0.318	**2.133**	± 1.199	0.254	**0.758**	± 0.214	0.319	**0.948**	± 0.362	0.814	CAAACTAATTTACGGCAAAATTAATTTAATAAGCTGCACATCTATTAGTTT
chromosome	610916	BB_0591		**1.096**	± 0.996	0.628	**0.539**	± 0.641	0.566	**0.970**	± 0.660	0.927	**1.666**	± 2.410	0.542	TTTGATTTATTGTCAATTACTTCTACAATGGTTTTTGAATCTTTTTTAAAA
chromosome	619647	BB_0597		**0.936**	± 1.023	0.890	**1.674**	± 1.105	0.239	**1.147**	± 0.983	0.794	**0.963**	± 1.100	0.938	GCTTATGCTAAAAAAGATTCTTCTAGCTCTCAGTACACTTTTAATTATGAA
chromosome	619652	BB_0597		**0.202**	± 0.343	0.277	**0.121**	± 0.231	0.231	**1.766**	± 1.422	0.191	**1.516**	± 1.974	0.429	TGCTAAAAAAGATTCTTCTAGCTCTCAGTACACTTTTAATTATGAAAGAGA
chromosome	630776	IG 66		**0.843**	± 0.982	0.779	**0.515**	± 0.611	0.271	**0.494**	± 0.521	0.317	**0.587**	± 0.604	0.464	CTATTCATGTTGTAATATTAAAATTATATATTATTTATTGATTGTTAATTA
chromosome	630917	BB_0605		**1.135**	± 1.188	0.829	**1.636**	± 1.967	0.555	**0.710**	± 0.688	0.429	**1.118**	± 0.830	0.608	GTATCAAAATCTATTAAAACTATTGACTTTGCATACTCTGATAATTTATTA
chromosome	631804	BB_0605		**1.008**	± 1.171	0.986	**1.544**	± 1.792	0.317	**0.297**	± 0.387	0.328	**0.728**	± 0.674	0.719	AGTTATACTGTTGATAAATTGGTTGCTCCACTTAGTGGGGATATGCCTGTT
chromosome	633080	BB_0607	*pcrA*	**0.537**	± 0.535	0.516	**0.987**	± 1.162	0.954	**0.466**	± 0.614	0.276	**0.662**	± 0.693	0.491	TTAGAAATAAATATTCTAAAAGATATAAATATGTTTTGATTGACGAGTTTC
chromosome	633083	BB_0607	*pcrA*	**0.413**	± 0.632	0.371	**0.935**	± 1.231	0.941	**0.910**	± 0.457	0.600	**0.588**	± 0.488	0.163	GAAATAAATATTCTAAAAGATATAAATATGTTTTGATTGACGAGTTTCAAG
chromosome	633563	BB_0607	*pcrA*	**1.438**	± 0.798	0.332	**3.969**	± 2.993	0.074	**1.729**	± 1.197	0.247	**1.587**	± 1.749	0.400	GAAGACAAGGCATAAAATATAAAGTTTCAGGGGGAACATCTTTTTTCCAGA
chromosome	634505	IG 67		**1.873**	± 1.966	0.294	**2.646**	± 1.689	0.000	**1.468**	± 0.881	0.307	**1.724**	± 1.282	0.251	AATTAATCTTTAAATTCATTCAATAAATTCAATAATATTGGTTAAGCTTTG
chromosome	634516	IG 68		**0.941**	± 0.141	0.619	**1.368**	± 0.271	0.196	**0.727**	± 0.193	0.158	**1.168**	± 0.182	0.339	TATTATTAATTATAAATTAAATCCAAGTATATTTATGGATTTAATTTAATC
chromosome	634547	IG 69		**0.935**	± 0.216	0.661	**1.516**	± 0.769	0.420	**0.631**	± 0.168	0.040	**0.951**	± 0.215	0.787	TTTATGGATTTAATTTAATCAAAGGAAAGTTATTATGAGTATTGTAATTGA
chromosome	634720	BB_0608		**1.104**	± 0.812	0.517	**1.131**	± 0.775	0.794	**0.601**	± 0.279	0.219	**1.000**	± 0.462	0.999	TTGTAGTGCAGATAAAATCAAATAATAATATTGATATGCATCCTATTATTT
chromosome	642261	IG 70		**0.928**	± 0.338	0.676	**0.872**	± 0.520	0.788	**1.013**	± 0.697	0.963	**0.885**	± 0.900	0.840	TTTAAATTTATATTTTAGGAGTAGATCTATGAAAGATGGAGTTAGAAAGCC
chromosome	643328	BB_0616		**1.236**	± 0.649	0.588	**2.590**	± 1.520	0.176	**1.458**	± 0.658	0.200	**1.678**	± 0.576	0.191	TAAAGAAATAAATGATATATATTTTTTAGTCTAATTAAATTAATAATAAAC
chromosome	643353	BB_0616		**1.498**	± 1.061	0.449	**3.038**	± 1.777	0.030	**0.614**	± 0.503	0.412	**1.779**	± 0.881	0.042	TTAAAAAAATCATAAAACAAGAATATAAAGAAATAAATGATATATATTTTT
chromosome	643748	BB_0616		**1.817**	± 1.949	0.477	**1.659**	± 1.325	0.240	**1.137**	± 0.947	0.786	**2.161**	± 3.707	0.608	TTTGACAAAATTTCAAATAGGAAAAAGATACAACAATCAACTTCTCTTAGC
chromosome	644034	BB_0616		**0.932**	± 1.201	0.947	**0.880**	± 1.259	0.920	**0.477**	± 0.635	0.601	**0.410**	± 0.508	0.502	TGACAGGATTTACACTATTTCTAAATACAACCGGATTAAATAAATTTATCA
chromosome	644947	BB_0617		**0.598**	± 0.379	0.182	**1.067**	± 1.736	0.943	**0.433**	± 0.147	0.046	**0.303**	± 0.093	0.063	ATAGTTTATACAGCTTTATAGAAAAATTTGTTCCAATTATTAATTTTTTAT
chromosome	645073	BB_0617		**1.040**	± 0.534	0.919	**1.724**	± 1.955	0.611	**0.232**	± 0.175	0.066	**0.494**	± 0.130	0.038	TGAGCAGATAAATCAAATACATTTAAAATAAGCTTTTTCTCATCAGAATTA
chromosome	645402	BB_0618	*cdd*	**1.953**	± 1.418	0.084	**1.752**	± 1.210	0.228	**1.672**	± 1.292	0.168	**0.978**	± 0.554	0.920	TTTAAAATCGCACTTCTTTCTGCACAACAAGTTGCTCCAAAGCTTGCATTC
chromosome	646668	BB_0619		**0.270**	± 0.150	0.146	**0.510**	± 0.298	0.280	**0.580**	± 0.400	0.171	**0.708**	± 0.439	0.288	TTATCCTTAATGTATGCTAGCATTCGATTTTTTACAATCTCTAGAGAACCT
chromosome	646770	BB_0620		**1.144**	± 0.848	0.311	**1.933**	± 1.481	0.146	**0.943**	± 0.555	0.689	**1.583**	± 1.054	0.152	AATAATTACTATGTTTTTTATCCAATTTAATTTTTTAATATGGTGAGGAGT
chromosome	647823	BB_0620		**0.857**	± 0.333	0.194	**1.572**	± 0.958	0.302	**0.794**	± 0.272	0.264	**1.026**	± 0.326	0.402	TATATCTACTATGGGCGCAAAGTTTAGATTTATTCCAAGTTGCCTTAGCTC
chromosome	647883	BB_0620		**0.742**	± 0.271	0.104	**1.737**	± 0.244	0.010	**0.594**	± 0.328	0.239	**1.286**	± 0.534	0.508	CATAGCACAAGAGCTAAGGCAACTTGGAATAAATCTAAACTTTGCGCCCAT
chromosome	648354	IG 71		**0.657**	± 0.136	0.001	**0.190**	± 0.173	0.039	**0.617**	± 0.500	0.220	**0.823**	± 0.500	0.493	AATTAGCATTTATTATTTATATGGTTAAATGAAAAGAAATTTTTATCTCAT
chromosome	649134	IG 72		**1.296**	± 0.535	0.486	**1.442**	± 0.793	0.378	**0.888**	± 0.433	0.626	**1.008**	± 0.699	0.983	TTATAATCATTTAAAATAGATTTATATTTAACTCTTGCAAAGCAAAGTTGC
chromosome	652140	BB_0623	*mfd*	**0.634**	± 0.639	0.214	**1.438**	± 1.789	0.532	**0.921**	± 0.942	0.926	**0.721**	± 0.586	0.600	TTAATTTGTCTGCAATCTCCTCGATTCTTTTTTTTGCGTTTGCTTTGTTTT
chromosome	652591	BB_0623	*mfd*	**1.824**	± 1.529	0.097	**1.614**	± 2.002	0.391	**0.721**	± 0.868	0.052	**1.751**	± 1.408	0.071	TATTTTCAAAGAATTGCCAAAAGTATCAATTGAGGTTTTAAAAATATCTAG

chromosome	657295	BB_0626	*rnmV*	**0.571**	± 0.467	0.408	**0.995**	± 1.527	0.992	**0.513**	± 0.688	0.119	**0.696**	± 0.751	0.452	TCTTAATACTAAAGACACTGAGGTTGAATCAGTAAATAAAACAGAAATAAT
chromosome	659699	BB_0629		**1.335**	± 0.839	0.022	**1.998**	± 1.432	0.168	**0.742**	± 0.401	0.563	**1.185**	± 0.952	0.738	TAACAGCTGTTTTAATAGGAATCCTTAAAAAAGAATACAAGAATATAAACG
chromosome	659840	BB_0629		**0.836**	± 0.586	0.677	**0.061**	± 0.106	0.007	**0.025**	± 0.044	0.009	**0.159**	± 0.276	0.020	CATGCGGGTATTACCCTTAAAGGATCTGCTGCTGCAAATGGAATTACTCCT
chromosome	660191	BB_0629		**0.862**	± 0.198	0.369	**1.285**	± 0.723	0.584	**0.602**	± 0.145	0.079	**0.851**	± 0.083	0.160	ATGAATCAATAACAAATATGCTAAATCAACTTAGCGGTACTAATATGGCAA
chromosome	661151	BB_0629		**1.190**	± 1.142	0.826	**1.090**	± 1.294	0.926	**0.691**	± 0.690	0.596	**1.667**	± 1.421	0.504	ATACTTTTAGCAACAACCTATTAAGACATGAACTTATGAGCACAAATAATG
chromosome	661332	BB_0629		**0.970**	± 1.046	0.926	**1.463**	± 1.385	0.014	**0.438**	± 0.432	0.217	**0.726**	± 0.702	0.672	GCTATGCCTCATGCAAAAGGCAATTTCATTAAAAAACACGGAATTGCTATT
chromosome	661527	IG 73		**0.797**	± 0.770	0.653	**1.596**	± 1.505	0.471	**0.345**	± 0.300	0.222	**0.258**	± 0.256	0.262	AAGGTGATTATTATGCAAAATTTATTTTCAAAAAACTTGATTGTTTTAAAT
chromosome	661543	IG 74		**1.370**	± 0.719	0.494	**1.788**	± 1.324	0.245	**1.282**	± 0.748	0.253	**1.605**	± 1.406	0.353	CACTATATAATATATAAAGGTGATTATTATGCAAAATTTATTTTCAAAAAA
chromosome	662588	IG 75		**1.026**	± 0.134	0.586	**1.133**	± 0.261	0.358	**0.897**	± 0.136	0.420	**0.925**	± 0.248	0.537	CAGTATTTAGTTTGCTTAAATTTTTAATTTTGATTTATATAATTTCTTTTT
chromosome	662622	BB_0631		**1.278**	± 1.265	0.721	**0.691**	± 0.515	0.339	**0.712**	± 0.728	0.013	**1.302**	± 0.909	0.313	AATCAAAATTAAAAATTTAAGCAAACTAAATACTGTAGCTTTTAAAAGCTA
chromosome	675102	BB_0637		**0.961**	± 0.143	0.720	**1.863**	± 0.817	0.227	**0.762**	± 0.460	0.458	**0.913**	± 0.465	0.802	TTATCTATTTAGGCACGGGGATTTATTTGGGAGTTATTGGTGTAGAAATGG
chromosome	676104	BB_0637		**1.287**	± 0.904	0.507	**0.716**	± 0.700	0.452	**0.486**	± 0.295	0.055	**1.136**	± 0.843	0.757	AGTATGGCAATTGTGTTATTAGCAAGAAAAACATCAACTATTGAAACAAAA
chromosome	676107	BB_0637		**1.085**	± 0.442	0.040	**2.339**	± 2.474	0.376	**0.904**	± 0.322	0.658	**1.067**	± 0.337	0.779	TTTGCGGCAAAGTAGCAAAAAAGATAGCTTTTGAAAATAACATCAGTGTTC
chromosome	676847	BB_0638		**0.584**	± 0.353	0.056	**0.630**	± 0.514	0.069	**0.638**	± 0.279	0.045	**0.637**	± 0.220	0.150	CTATTAAATTCAATGGAACATATTTAAGACCAATATTTACTACAGCATCAA
chromosome	677556	BB_0638		**0.917**	± 0.206	0.567	**1.630**	± 0.741	0.315	**0.896**	± 0.254	0.005	**0.951**	± 0.198	0.465	TTTTAATGAGTGGTTCTGTTGTAAGATCAATAACTAAGGAAAATAATTTAA
chromosome	677783	BB_0638		**0.955**	± 0.866	0.952	**1.521**	± 1.565	0.477	**0.625**	± 0.674	0.275	**1.142**	± 0.966	0.801	TAGACAAAGCAATCAATAAGATCAAAAATCCTTGATAAATTAAAAATGGAA
chromosome	684881	BB_0645		**0.242**	± 0.245	0.145	**0.158**	± 0.114	0.129	**0.888**	± 0.998	0.550	**0.399**	± 0.528	0.369	ATTATTAAAGGCAATGGGGTTCAGGTAGTTTACGGACCAGGTGTTAGTGTT
chromosome	684980	IG 76		**0.590**	± 0.352	0.321	**0.735**	± 0.624	0.631	**0.451**	± 0.337	0.098	**0.396**	± 0.300	0.053	CTTATTAAAAAAATCAAGCCTCTAGCAATTCTTCTATTTCATTCTTAAGAA
chromosome	684983	IG 77		**0.925**	± 0.537	0.691	**1.128**	± 0.606	0.791	**0.699**	± 0.507	0.200	**1.351**	± 0.745	0.361	TTACTTATTAAAAAAATCAAGCCTCTAGCAATTCTTCTATTTCATTCTTAA
chromosome	688393	IG 78		**0.972**	± 0.333	0.709	**2.305**	± 1.093	0.197	**1.292**	± 1.153	0.649	**0.761**	± 0.232	0.045	GAAGTAATACGCTACTATAGCGAATGTATTAAGTTTATGTTAATCTTATAT
chromosome	695782	BB_0656		**0.000**	± 0.000	0.150	**0.000**	± 0.000	0.150	**1.351**	± 2.556	0.840	**0.439**	± 0.508	0.474	ATGTAAAGTGTTTTTATAATTGGATGACCCAGCAAGATTAAATGACATTTT
chromosome	696474	BB_0656		**0.817**	± 1.109	0.303	**1.317**	± 1.242	0.518	**0.624**	± 0.509	0.477	**1.005**	± 0.959	0.993	GTAACGTTTGAATTGTTAGAGGATTTGGAGTTTTTTGTTTATCATTTTATT
chromosome	704543	BB_0666		**1.029**	± 0.895	0.911	**1.567**	± 1.213	0.440	**0.630**	± 0.499	0.525	**0.601**	± 0.486	0.476	TAGATAAAAATATAACATTATTGGGGAAATTTGGCTTTATTGCATTTGCAA
chromosome	710277	BB_0670		**1.764**	± 1.009	0.248	**2.373**	± 1.295	0.070	**0.788**	± 0.684	0.310	**1.667**	± 1.799	0.487	AGTTGACGGCCATTGATAATGATTTATCAAAAGTTGTTGAAACTTCTAGGT
chromosome	710423	BB_0670		**0.303**	± 0.444	0.230	**0.658**	± 0.761	0.682	**0.116**	± 0.154	0.239	**0.528**	± 0.705	0.332	GGATTTCTGACTTAAATTTATAAACTCCGGGACTTTGTTCAAAAGAATTCC
chromosome	710857	BB_0671		**0.347**	± 0.337	0.167	**0.501**	± 0.242	0.112	**0.624**	± 0.330	0.186	**0.718**	± 0.353	0.430	ATTATTGATATGGACATAGAAACAGCTCTTTTTGTTGCTTCTAAATTAAAT
chromosome	710872	BB_0671		**0.975**	± 0.896	0.874	**1.741**	± 1.732	0.263	**0.890**	± 0.647	0.536	**0.979**	± 0.931	0.881	TGTCCATATCAATAATTATACTGCCCTCAACAGACCCAGCAAGCCCTACTA
chromosome	711002	BB_0671		**0.220**	± 0.239	0.068	**1.203**	± 0.659	0.709	**0.567**	± 0.534	0.372	**0.469**	± 0.161	0.087	ACAAAATTTCCAGCAATAATATTGCCAACCTCAGTTAGAGTTGCAGCAACC
chromosome	711079	BB_0671		**1.005**	± 0.737	0.978	**0.734**	± 0.452	0.579	**0.581**	± 0.319	0.204	**0.795**	± 0.418	0.602	AGTAATAAAGGTTCTGAGGCTTTAATTGTTCCTTTTTCTTTGCCTGATGGT
chromosome	713133	BB_0674		**0.840**	± 0.412	0.530	**1.307**	± 0.583	0.477	**0.483**	± 0.208	0.071	**0.858**	± 0.249	0.206	TTAGTGCAAATCGTATTTTGTATGGTAAAAAAAGAATTATTGAGAGTTCTT
chromosome	713908	BB_0675		**0.971**	± 1.096	0.948	**3.902**	± 7.076	0.398	**1.012**	± 1.204	0.970	**1.354**	± 1.766	0.009	TCTGTTTTATCCTTGACGTATTGAATTAGGTCTTTTATTTCTGATTCAAAA
chromosome	713936	BB_0675		**0.774**	± 0.382	0.386	**1.656**	± 1.783	0.588	**0.565**	± 0.272	0.126	**0.954**	± 0.522	0.888	GGTCTTTTATTTCTGATTCAAAATCATTTTTGATAAATGTAGCAATTGTTT
chromosome	718797	IG 79		**0.605**	± 0.309	0.265	**0.920**	± 0.613	0.610	**0.800**	± 0.606	0.305	**0.602**	± 0.211	0.147	TTTAATCAAATAAACTCAAGACCAAAGGGTATCAAAAAAAAATTTACAGCA
chromosome	718825	IG 80		**0.577**	± 0.639	0.470	**0.804**	± 1.068	0.455	**0.422**	± 0.470	0.464	**0.872**	± 1.188	0.561	ATAAACTACCTCACAAATCACCTACTTATTTAATCAAATAAACTCAAGACC
chromosome	718943	BB_0680		**0.338**	± 0.388	0.278	**0.871**	± 1.403	0.845	**0.327**	± 0.538	0.036	**0.402**	± 0.700	0.101	TTATAAGCAGCTTACAAGGGCGCAAGTAAGAAGAGCAGCTTTTTCTTTGCA
chromosome	719180	BB_0680		**1.030**	± 0.372	0.905	**1.538**	± 0.505	0.180	**0.795**	± 0.064	0.013	**0.688**	± 0.148	0.093	TTGTCGATATTTTTTGCTCACCTTTACAGAGTCAATAACAAATTTTGGATT
chromosome	719551	BB_0680		**1.009**	± 0.940	0.970	**1.325**	± 1.438	0.250	**0.641**	± 0.591	0.331	**0.983**	± 1.083	0.855	AATCTATCAAAACTATCTGCCACAATATCATTAAGCAAATATCCGGCCAAA
chromosome	719748	BB_0680		**1.000**	± 0.917	0.997	**1.943**	± 2.328	0.338	**0.583**	± 0.430	0.264	**0.851**	± 0.631	0.609	CTTTTGTCCGAAATGGGAGAAGATTGTTATTATGCAATGTTGCCCATAAGT
chromosome	719919	BB_0680		**0.513**	± 0.448	0.447	**0.186**	± 0.358	0.113	**0.377**	± 0.342	0.357	**0.159**	± 0.237	0.156	ATGCTATAATGCCTAAGACTGAATATAAAATATACTGAAATCTTAGACTAG
chromosome	720015	BB_0680		**0.962**	± 0.763	0.771	**1.631**	± 1.587	0.375	**0.711**	± 0.467	0.042	**0.914**	± 0.545	0.228	GATAAAGATTATGCTCTTGATGATGATGAAAATACTCTTGATGAACTTGGC
chromosome	720235	BB_0680		**0.897**	± 0.503	0.773	**0.966**	± 0.338	0.846	**0.828**	± 0.146	0.295	**0.926**	± 0.193	0.553	GCTGACATTTCTTCAAGAGCAGATGCCTGTTGCAATGCACTAGAGCTTAAA
chromosome	720330	BB_0680		**1.867**	± 1.430	0.263	**1.277**	± 0.951	0.551	**2.301**	± 3.714	0.524	**1.119**	± 1.271	0.588	TCTGAGAATTTTCATTCGTCTTTAAAGCTATTTGTTCTGTTTCATAAGAAT
chromosome	720364	BB_0680		**0.813**	± 0.816	0.781	**1.264**	± 1.529	0.610	**0.823**	± 1.119	0.877	**1.289**	± 1.271	0.716	GCAATAACAGATTCTTCAACGGCCCTACCACCTATCTGAGAATTTTCATTC
chromosome	720760	BB_0680		**1.397**	± 1.061	0.634	**1.946**	± 1.634	0.329	**1.019**	± 0.451	0.694	**0.755**	± 0.706	0.395	CTAGAAAGCTGCTCACTGCTTGAAGCTGAAGATTGAACAACTTCTCCAACC
chromosome	721174	BB_0681		**0.675**	± 0.203	0.002	**0.591**	± 0.436	0.347	**0.719**	± 0.207	0.043	**1.031**	± 0.336	0.751	TATCAATTTTGTTTTTTGCTTTTGGAATGCTTATTAATAGTAAATTGGTGG
chromosome	721662	BB_0681		**0.357**	± 0.362	0.074	**1.526**	± 1.882	0.680	**0.080**	± 0.144	0.096	**1.016**	± 1.006	0.985	TTAATATGTAAGGAATCTGACCTTTTTTATTTTTTATCTTGGAAATATCTT
chromosome	721740	BB_0681		**0.831**	± 0.260	0.500	**1.143**	± 1.083	0.813	**1.073**	± 0.325	0.468	**0.761**	± 0.446	0.508	TATAGGTCTTTTAGAGGGATTAATTTTGGAATACTCTCTAGCGGTCGTGCG
chromosome	721742	BB_0681		**1.169**	± 0.720	0.158	**0.878**	± 0.413	0.699	**0.458**	± 0.241	0.206	**0.976**	± 0.598	0.927	TAGGTCTTTTAGAGGGATTAATTTTGGAATACTCTCTAGCGGTCGTGCGCT
chromosome	722079	BB_0681		**0.740**	± 0.379	0.299	**1.371**	± 1.264	0.569	**0.477**	± 0.477	0.138	**1.122**	± 0.439	0.358	ATCTTAGCAATTAGTTTTGTATTTACATTACTTATGCTTGCTATTGCAACT

chromosome	722249	BB_0681		**0.659**	± 0.159	0.039	**1.490**	± 0.656	0.286	**0.776**	± 0.223	0.182	**0.891**	± 0.231	0.411	AAGCTCTACAGTATCCCATTTGCCAAAATTAATATCAGCAGTAAAATTACC
chromosome	742717	IG 81		**0.672**	± 0.465	0.282	**1.194**	± 1.152	0.797	**0.643**	± 0.220	0.070	**0.947**	± 0.206	0.492	TTTTTTAAATGGTTTTATTGGGGTTTTATGAGTGGTAATAACAATAGCGTA
chromosome	742960	BB_0707		**0.640**	± 0.176	0.052	**1.245**	± 0.213	0.248	**0.468**	± 0.252	0.070	**0.791**	± 0.268	0.425	ACTATTTTAAATTTTTTTCAGAAAGATAAAAGCAAAGAAGATATATATAAA
chromosome	743654	BB_0707		**0.639**	± 0.840	0.657	**1.231**	± 1.715	0.850	**0.267**	± 0.210	0.212	**1.086**	± 1.009	0.841	ATTCAGAGATAATTTCAAGAGAAGATCATATATCTCGGGTAGAATATGTAT
chromosome	743700	BB_0707		**1.173**	± 1.711	0.888	**1.309**	± 0.935	0.543	**0.574**	± 0.438	0.458	**0.868**	± 0.772	0.853	TGTATTTAAAAATGTTTTATCTATTGTATCTAAGATTGTTGGCTTGTCGAG
chromosome	760507	BB_0722		**1.463**	± 1.468	0.349	**2.237**	± 2.548	0.325	**1.585**	± 1.500	0.389	**1.379**	± 0.919	0.427	TGTTGGTACTAAAAATGAAAACATAAAGTTTTCGCTTACAGATTTAGATTT
chromosome	760800	BB_0722		**0.960**	± 0.605	0.537	**1.881**	± 2.329	0.504	**0.774**	± 0.532	0.465	**0.842**	± 0.565	0.506	TTTCTATTAACAGATGAATCAAGATTAAACCAACCAACATCCTCAATAAAT
chromosome	760938	BB_0722		**0.902**	± 0.605	0.372	**1.327**	± 1.215	0.465	**0.620**	± 0.443	0.107	**1.028**	± 0.487	0.879	ATATCAATCCATTTTCTACTATTAAATTTTTTAACTATAAGCTCGCTGGCA
chromosome	761348	BB_0722		**0.918**	± 1.217	0.850	**0.784**	± 0.694	0.738	**0.768**	± 0.598	0.716	**0.477**	± 0.402	0.175	CAATAGGTCTATTTTCAGAAACAAAACTCATAATTATTTGATTAAAATTAG
chromosome	761544	BB_0722		**1.226**	± 0.382	0.181	**1.752**	± 0.829	0.302	**0.896**	± 0.259	0.623	**1.163**	± 0.407	0.417	ATGTTAAAAGCCCTCAGATTGGAATTTATGGCAATCAAGGGCTTGTAATCT
chromosome	762145	BB_0723		**0.665**	± 0.129	0.049	**0.756**	± 0.671	0.509	**1.035**	± 0.358	0.774	**1.131**	± 0.255	0.012	TTTCAAACATATATTAAAAATAATGTAATTATGATAATATTTCAATGTTAA
chromosome	765080	BB_0726		**0.325**	± 0.159	0.089	**5.046**	± 7.969	0.469	**0.204**	± 0.306	0.084	**3.541**	± 2.487	0.200	TGTGTGAAAATTTGATTAATGTTGTTAAGAATAATATTAATATACCAATAG
chromosome	774543	IG 82		**0.215**	± 0.076	0.004	**0.779**	± 0.728	0.612	**2.127**	± 0.921	0.161	**1.789**	± 1.372	0.393	GATTTATTGATTTTTGGCTAAGCGTGTTTATAGCTTAATTGTTTTAAACTT
chromosome	781573	BB_0739		**1.258**	± 1.072	0.214	**1.184**	± 1.244	0.642	**0.455**	± 0.349	0.299	**1.105**	± 0.727	0.687	AATTGATGGAAACGTTTTTCTTTGATCAAATAGGAAATTGAAATCAAGAAT
chromosome	782351	BB_0740		**0.758**	± 0.395	0.010	**0.829**	± 0.419	0.660	**0.475**	± 0.230	0.153	**0.960**	± 0.383	0.809	ATCCCAAAAAAAATCCTGAAATGTGGAGCAATGAAATATTTAATTTAATTT
chromosome	782729	BB_0740		**0.809**	± 1.333	0.846	**1.972**	± 1.976	0.229	**0.066**	± 0.094	0.090	**0.655**	± 0.699	0.417	AATGTATAAAAACTCTCTTCAATTCCCTGCTTTGGATTGTAATAGATGTCA
chromosome	782794	BB_0740		**0.767**	± 0.501	0.234	**1.551**	± 1.400	0.502	**0.908**	± 0.383	0.804	**0.996**	± 0.447	0.907	TTCAAGCAAATTCGATGACATCTATTACAATCCAAAGCAGGGAATTGAAGA
chromosome	786520	BB_0743		**0.616**	± 0.116	0.086	**0.424**	± 0.336	0.147	**0.487**	± 0.071	0.020	**0.858**	± 0.226	0.287	ATTGTATATAATACAATCTTGCCCATAATAACTTTCAAATTTAGTAATAGT
chromosome	787898	BB_0744	*p83/100*	**0.418**	± 0.459	0.318	**1.528**	± 1.354	0.483	**0.349**	± 0.205	0.029	**1.298**	± 0.507	0.434	AGTTCTCCTAAAGTTGATAAGCAACTACAAATAAAAGAGAGCCTGGAAGAT
chromosome	788466	BB_0744	*p83/100*	**0.641**	± 0.780	0.275	**0.818**	± 0.833	0.831	**1.520**	± 1.387	0.369	**1.639**	± 1.276	0.360	TGTCTATAGATTCCAGTAGTCCTGTATTTTTAGAGGTTATTGATCCAATTA
chromosome	788959	BB_0744	*p83/100*	**0.707**	± 0.741	0.447	**1.100**	± 0.878	0.842	**0.929**	± 0.681	0.537	**1.532**	± 2.285	0.641	CTTAACTTTCTTTAAAGTATTTACATCTAAAATAACTAGACTTTTAAACTC
chromosome	789272	IG 83		**0.349**	± 0.619	0.473	**0.775**	± 0.617	0.644	**0.406**	± 0.523	0.298	**0.608**	± 0.689	0.301	CAAAGTAAAGGTATCTAGACTTTATTGACAAGGATTTTTCAAAATGATATA
chromosome	789649	BB_0745		**0.688**	± 0.585	0.603	**1.278**	± 0.479	0.279	**0.611**	± 0.257	0.160	**0.698**	± 0.690	0.652	ATAAGATCAAAAATATTATTTGGAATAACACCATTAAATTTTTCTAAAATA
chromosome	789850	BB_0745		**0.004**	± 0.007	0.021	**1.331**	± 0.684	0.361	**0.851**	± 0.324	0.612	**0.997**	± 0.414	0.060	ATAGCCATAGAAAATCTATACTGCTTACAAGGCTTTATTCTTCTTTTTAGA
chromosome	789850	BB_0745		**1.015**	± 0.437	0.883	**0.826**	± 0.545	0.075	**0.579**	± 1.014	0.474	**0.292**	± 0.511	0.981	TTAATAAGCATGCAAGAGAAATTTGTACTTCTAGAAATGTAAATTGTGATA
chromosome	793817	IG 84		**0.203**	± 0.225	0.158	**0.404**	± 0.438	0.310	**0.469**	± 0.261	0.252	**0.449**	± 0.555	0.430	AAAGAAAAACATATAAAAATAAATATAATTAAAATATACCATGACAAAGAC
chromosome	793836	IG 85		**1.040**	± 1.146	0.953	**1.401**	± 0.607	0.061	**1.271**	± 0.503	0.474	**2.240**	± 0.811	0.046	GCAAGATTAATCTGCATTGTTGTGATGTTCATGATGATCTTCTTGATTATC
chromosome	799420	BB_0756		**0.543**	± 0.266	0.131	**0.953**	± 0.744	0.937	**0.257**	± 0.134	0.050	**0.634**	± 0.421	0.193	AGGCCTTCAACTCTTGATAGAGAACCTTTCTTGGGAGAACATCCTAAGCAT
chromosome	800345	IG 86		**1.357**	± 1.033	0.645	**1.785**	± 1.478	0.441	**0.835**	± 0.763	0.519	**1.652**	± 1.382	0.237	ATCAAGCTTCATTAAAGTTAAAAAATACTCTAAATTTTACAAATTAAGTAA
chromosome	803429	BB_0761		**1.959**	± 2.787	0.386	**1.889**	± 1.691	0.044	**0.776**	± 0.750	0.715	**0.857**	± 0.836	0.713	TGTTGTTTTTTGTTATATTTTAAAACTTTAATTTTAAGATCAGAAAAAACA
chromosome	803630	BB_0761		**0.797**	± 0.779	0.776	**0.790**	± 0.980	0.801	**0.862**	± 0.923	0.789	**0.592**	± 0.575	0.533	ATTTGCTTTTAGCAACAAGGGATCTTGCTAAAGCTGAAAAGGTAAAAATTA
chromosome	803878	BB_0761		**1.753**	± 3.145	0.560	**0.901**	± 1.147	0.911	**0.108**	± 0.166	0.245	**0.293**	± 0.377	0.175	GATCTTGCAGCTCCAATGAATGCTGAAGTGTATTCTTCTTCTTCTGGAATA
chromosome	808493	BB_0767	*murG*	**1.547**	± 1.106	0.452	**1.768**	± 0.821	0.143	**1.133**	± 0.436	0.349	**1.723**	± 0.843	0.205	ATAAAAGATATTAAGGAGACAAAATCTAAATGATAATAAACGATCCTGTAA
chromosome	812771	BB_0771	*rpoS*	**1.086**	± 0.687	0.354	**1.440**	± 1.163	0.287	**0.853**	± 0.496	0.408	**1.091**	± 0.645	0.480	TATACTGAGCAGGAGATAGGTTGAATCTTTTCATTATTTCTTCTTTTTTGG
chromosome	813176	BB_0771	*rpoS*	**0.768**	± 0.672	0.682	**1.322**	± 1.359	0.289	**0.385**	± 0.354	0.329	**0.577**	± 0.552	0.574	ATTACTCACGAAGAAGAAATCAAACTTGCAGGACAAATACAAAGAGGCAAT
chromosome	813209	BB_0771	*rpoS*	**1.013**	± 0.904	0.836	**1.556**	± 1.629	0.315	**0.721**	± 0.559	0.216	**1.014**	± 0.832	0.783	TGTTTAAATCCTCATTACTAAATATGTTCATAGTTATTATATTTTCTCCCC
chromosome	813292	IG 87		**1.184**	± 0.405	0.541	**1.251**	± 0.798	0.660	**0.739**	± 0.215	0.232	**1.191**	± 0.151	0.084	AGTAGTAAAAACTTAATCACAATATTCAAGAAAGGGGAGAAAATATAATAA
chromosome	813787	BB_0772		**0.537**	± 0.414	0.352	**1.673**	± 1.361	0.074	**0.598**	± 0.558	0.554	**0.245**	± 0.224	0.262	GCAATAAAGAATTAATTCAAATAATTCAAGCTGCGCAAAAAATTAATAAAT
chromosome	814172	BB_0772		**1.080**	± 0.307	0.330	**1.622**	± 1.061	0.343	**0.728**	± 0.208	0.028	**0.970**	± 0.235	0.632	ATAAATGAGAATCAAAATATTAACCACAGTTATAATATAATTCTTAAAAAA
chromosome	814175	BB_0772		**1.240**	± 0.513	0.023	**1.648**	± 1.095	0.320	**0.799**	± 0.284	0.422	**0.879**	± 0.369	0.426	TTACACTATCTATAGTATATCCAGATCCTTTTAATTTATTATTGGGCTGTG
chromosome	814184	BB_0772		**1.190**	± 0.179	0.264	**1.616**	± 0.539	0.211	**0.732**	± 0.129	0.107	**1.440**	± 0.676	0.427	GATAGTGTAATAATAAATGAGAATCAAAATATTAACCACAGTTATAATATA
chromosome	814187	BB_0772		**1.082**	± 0.570	0.858	**0.907**	± 0.500	0.845	**1.070**	± 0.673	0.517	**1.220**	± 0.811	0.081	TAGTATATCCAGATCCTTTTAATTTATTATTGGGCTGTGTAATTCCTGATG
chromosome	814729	IG 88		**0.991**	± 0.478	0.951	**1.433**	± 0.937	0.200	**0.753**	± 0.416	0.133	**1.154**	± 0.576	0.295	TCTATTATTTTATATCAATTATTGCAATTAATGAAACTTTTTTCGTTAAAT
chromosome	814997	BB_0773		**0.974**	± 1.044	0.793	**2.120**	± 2.699	0.350	**0.720**	± 0.552	0.390	**1.044**	± 0.881	0.704	TTTAAAGTATGTATTGTACTCATTAAGGATTTCATTTTTTTTTAGATTTTC
chromosome	815081	BB_0773		**1.461**	± 0.883	0.513	**0.702**	± 0.425	0.492	**0.337**	± 0.175	0.168	**0.822**	± 0.910	0.799	CATTGATGTAATCGAGCCAATTGTATTTGCAAAAGAAAATCTAAAAAAAAA
chromosome	823107	IG 89		**0.123**	± 0.200	0.227	**0.078**	± 0.149	0.141	**0.008**	± 0.016	0.162	**0.222**	± 0.262	0.249	ATTGTTGACAAAGCTCGTTGTATCTTGTATGCTTGTCAATTGTAAGTATTA
chromosome	827550	BB_0789		**0.790**	± 0.718	0.768	**0.949**	± 1.019	0.911	**0.098**	± 0.124	0.226	**0.398**	± 0.730	0.060	AGGATGAATACGATTTATTTTCATCAGACTCTACTACAAAAGAAGTAAAGG
chromosome	839113	IG 90		**1.845**	± 0.643	0.110	**1.040**	± 0.499	0.914	**0.510**	± 0.255	0.085	**1.157**	± 1.054	0.763	TTAAAAAGCCTAATGTTTTAAATTTAATTAACTTTAAGGGTTTTTATTGTC
chromosome	839794	BB_0797	*mutS*	**0.120**	± 0.156	0.347	**0.176**	± 0.379	0.423	**1.026**	± 1.657	0.986	**1.072**	± 1.990	0.962	ATCTTAGTAGATTTTTAATTAACAGAGTTCCTACTTGGCATCTTGATAAGG

chromosome	840000	BB_0797	*mutS*	**1.059**	± 0.369	0.309	**1.427**	± 0.983	0.364	**0.825**	± 0.396	0.092	**1.028**	± 0.326	0.707	GATATCAATAATGATTCTTCGTACATGTTTCTTGATGACGTAACTCAAGTT
chromosome	840049	BB_0797	*mutS*	**2.136**	± 1.379	0.320	**0.763**	± 1.113	0.787	**2.008**	± 3.451	0.680	**0.999**	± 1.594	0.999	ACTTGAGTTACGTCATCAAGAAACATGTACGAAGAATCATTATTGATATCT
chromosome	840052	BB_0797	*mutS*	**0.689**	± 0.340	0.278	**0.587**	± 0.447	0.466	**0.781**	± 0.561	0.107	**1.211**	± 1.084	0.586	ATCTTGAACTTGTAAAAAATAATAATGATTTTTCTTCTCAATATTCATTAT
chromosome	840598	BB_0797	*mutS*	**0.936**	± 0.893	0.939	**0.298**	± 0.488	0.405	**0.859**	± 0.857	0.772	**0.612**	± 1.043	0.726	ATCTTGCTAAGCAATCTCTCTGATTCAAGATATTGATCAATATATTTATTT
chromosome	840847	BB_0797	*mutS*	**1.105**	± 0.962	0.826	**2.150**	± 2.443	0.127	**0.959**	± 0.846	0.952	**0.724**	± 0.950	0.750	AAAAGGTTGCAGAATTTTTTGCATATATTGATTTAGTTGTTAACTTTGGTT
chromosome	841046	BB_0797	*mutS*	**1.308**	± 0.793	0.290	**3.188**	± 3.501	0.341	**0.938**	± 0.458	0.838	**1.291**	± 0.794	0.344	CTTTTCTTTATTAATTCTTACAAAATTTTCAGTAAAGATTTCAGTATTTTT
chromosome	841131	BB_0797	*mutS*	**0.525**	± 0.427	0.182	**0.277**	± 0.099	0.005	**0.409**	± 0.549	0.196	**0.148**	± 0.217	0.019	TATGCGCCATTAAAGTAATTAAAGCCACCTGACGCAAATAGGTTGATTTAC
chromosome	841588	BB_0797	*mutS*	**1.094**	± 0.536	0.290	**1.316**	± 0.650	0.517	**0.484**	± 0.165	0.092	**0.954**	± 0.641	0.763	ATGTTATTCTAGAAAGTTTGGTGGGCCGAGAGGGCAACTCTTGTTTAGAGT
chromosome	847871	BB_0803	*truB*	**1.129**	± 0.578	0.741	**0.856**	± 0.497	0.766	**0.631**	± 0.395	0.472	**1.047**	± 0.663	0.909	GGCTCTGCTGCCATCAATATGAACAGAAGAAAATCTAGGAGGACTTTGATA
chromosome	848239	BB_0803	*truB*	**0.420**	± 0.272	0.030	**0.447**	± 0.350	0.074	**0.692**	± 0.154	0.152	**0.939**	± 0.322	0.753	TTGATTTCAATTTCAAAATAAACACCATTTTTAACAAGATTTATCTTATTA
chromosome	848320	BB_0803	*truB*	**1.015**	± 0.399	0.956	**1.071**	± 0.956	0.908	**1.206**	± 0.488	0.491	**1.827**	± 0.748	0.229	AATATGTCATTATATTTTAATTATAAATATATTATGACATTTTAATTTTAT
chromosome	858686	BB_0811		**1.792**	± 1.000	0.137	**1.995**	± 1.189	0.213	**0.804**	± 0.776	0.538	**1.132**	± 0.855	0.683	TTAATAGACCCTCAAATGTTTTAAGGGGCGTTGCTTCAATGTTGGCTGGTA
chromosome	861758	BB_0814	*panF*	**1.446**	± 0.842	0.040	**1.711**	± 1.195	0.383	**1.159**	± 0.708	0.120	**1.058**	± 0.767	0.554	TTTTTTTTACAAAAAAAATTAACTACTAAAAATGTAAATATAGAAACAAAA
chromosome	861841	BB_0815		**1.463**	± 1.320	0.670	**3.651**	± 6.234	0.550	**0.165**	± 0.275	0.104	**1.080**	± 1.477	0.946	GTCGCTTGCCATTATCATTAGCAAGCACTTCTAAAAAAATATATTTATCCA
chromosome	862301	BB_0815		**0.956**	± 0.344	0.841	**1.405**	± 1.071	0.477	**0.934**	± 0.328	0.820	**1.128**	± 0.544	0.669	GATCCACCACTAAATGCCTCACTTAGCTTTCTTGCAGTATTTATATTTTTT
chromosome	862513	BB_0815		**1.217**	± 0.575	0.220	**1.811**	± 1.209	0.211	**1.084**	± 0.553	0.781	**0.789**	± 0.546	0.560	TTTGATGGGTAAAGCCTGTTTCAATAACAATCTCGACAAGAGTAGCTCTTT
chromosome	867777	BB_0823		**0.819**	± 1.056	0.581	**1.489**	± 1.260	0.620	**0.792**	± 0.531	0.595	**1.051**	± 1.297	0.940	TAGTCAACAATTTAATAATTGATCATTCTAAATAGCTTTACTACATAACCG
chromosome	868626	BB_0824		**0.959**	± 0.649	0.857	**0.927**	± 0.517	0.848	**0.846**	± 0.571	0.409	**0.542**	± 0.344	0.062	TATTAGGCCTTTGTTTATGCTTTCTATTTCTCCATTTTCTAATTATAAAAA
chromosome	868703	BB_0824		**0.298**	± 0.501	0.076	**0.348**	± 0.586	0.254	**0.557**	± 0.315	0.206	**0.231**	± 0.344	0.021	TGCTTGGATTTAATATCGGTTGGAGATTTTTCAATTAGGAAGTTTTATTCC
chromosome	869189	BB_0825		**0.493**	± 0.569	0.359	**0.953**	± 1.174	0.882	**0.357**	± 0.498	0.449	**0.377**	± 0.553	0.213	TAATAAAAAAATGATTTCAAAACAAATAAATAACTACGGAGAGATTGTAAT
chromosome	869195	BB_0825		**1.174**	± 1.619	0.878	**1.498**	± 2.309	0.770	**0.056**	± 0.105	0.127	**1.900**	± 2.341	0.330	CATATATAATAAAAAAATGATTTCAAAACAAATAAATAACTACGGAGAGAT
chromosome	869564	BB_0826		**1.235**	± 1.039	0.464	**1.538**	± 1.749	0.648	**0.754**	± 0.742	0.709	**1.505**	± 1.488	0.625	ATACTAACAAACTATCCCAAAAGCATTTATTCTTATAAAATAAAAAGAAAT
chromosome	870075	IG 91		**1.046**	± 0.288	0.644	**1.546**	± 0.679	0.220	**0.726**	± 0.411	0.380	**1.141**	± 0.437	0.608	TATTTTATATTATAACAAGGCTTTCAAAGTTTAGTTTTTAAAAAAAGTAAT
chromosome	870079	IG 92		**0.600**	± 0.670	0.552	**0.835**	± 0.672	0.724	**0.305**	± 0.152	0.100	**0.059**	± 0.047	0.055	AAATATAATAATCAAATATTATTCAAAGTTAACAGCAATGAAGTTTATAAT
chromosome	875775	BB_0829		**0.549**	± 0.116	0.063	**0.747**	± 0.570	0.570	**0.775**	± 0.084	0.058	**1.074**	± 0.316	0.594	AGATATTAATGGCGCATTCTTTTTTTGGCAGCAGTAAAAAGATTGACACCT
chromosome	876183	BB_0829		**0.933**	± 0.571	0.890	**2.416**	± 2.200	0.389	**0.173**	± 0.183	0.099	**1.022**	± 1.564	0.968	TTTATGATTTAGCAAGGCTTAATTTTATGAATTTAGTTTCTATTTCCTATT
chromosome	876441	BB_0829		**0.883**	± 0.770	0.071	**1.092**	± 0.986	0.393	**0.596**	± 0.485	0.145	**0.847**	± 0.576	0.523	TCCTCATATTCACCCAAATATCCGTTAGCTAAAACCTCGTTAAAAAGAGAA
chromosome	876672	BB_0830		**1.103**	± 1.357	0.868	**1.843**	± 2.515	0.649	**0.748**	± 0.850	0.786	**1.675**	± 1.565	0.524	ATTTAACATAAGCGCTAGTCTCGCCTTTTGATATAATATCTACAATTTTTT
chromosome	876817	BB_0830		**0.695**	± 0.521	0.237	**1.100**	± 1.100	0.654	**0.485**	± 0.351	0.156	**0.758**	± 0.763	0.071	AAAGTCTTTGTCGATTAGACTTTAACCAATTTTGTCAAACTGTAATTTTAC
chromosome	879352	BB_0831		**0.502**	± 0.618	0.347	**1.396**	± 1.615	0.664	**1.818**	± 1.577	0.358	**2.117**	± 2.137	0.399	GTACCAAATATTCGCTTTCAGATTCAAGCGGTGTTTTTTTTGATAAAAATG
chromosome	879784	BB_0831		**0.644**	± 0.526	0.486	**1.014**	± 0.442	0.971	**1.039**	± 0.343	0.141	**1.311**	± 0.529	0.148	AATCCAACCTCTCCGGACATAAAAGAATTTCCTCTTAAAAGCTTGCCATTT
chromosome	880234	BB_0831		**0.740**	± 0.330	0.329	**0.635**	± 0.293	0.338	**0.605**	± 0.306	0.079	**0.917**	± 0.363	0.619	TTTTGATTTTTGCAAGTAAAATAATGAAACAAAGCTCCAATTTTACCAGAT
chromosome	888240	IG 93		**0.281**	± 0.049	0.010	**0.802**	± 0.203	0.127	**0.529**	± 0.094	0.000	**0.751**	± 0.430	0.374	ATTCATTATAAATCAATATAATTTAATTAATCTTTGTTTAATAAAATAAAA
chromosome	896550	BB_0838		**1.037**	± 0.544	0.851	**1.899**	± 1.544	0.252	**0.870**	± 0.491	0.405	**1.417**	± 0.881	0.484	ATAGAAAAACAAAAAAATAATAATGATTTTCATTTATTAGTAATATTAATT
chromosome	903759	IG 94		**1.072**	± 0.857	0.285	**2.026**	± 2.004	0.257	**0.573**	± 0.330	0.241	**0.869**	± 0.601	0.373	AAAGAATTTTTCAATATTTTAAAAAATTTATAGATAAACATAATCTAAAAC
chromosome	904267	BB_0844		**1.041**	± 0.715	0.930	**1.340**	± 1.277	0.630	**1.177**	± 1.611	0.871	**0.833**	± 0.978	0.834	AATAGTGGACTTAGCGAGAGAGCATCTGCAAAATACTTTTTTGAGAAAGCC
chromosome	904270	BB_0844		**1.371**	± 1.643	0.461	**1.897**	± 1.914	0.175	**1.344**	± 1.320	0.131	**1.972**	± 1.733	0.195	ATTGAGTATGAAGATTTTCAATATCGCCTCTTTTTTCTAATAACTGATTGA
chromosome	904861	BB_0844		**0.727**	± 0.878	0.727	**0.421**	± 0.532	0.527	**0.547**	± 0.620	0.521	**0.635**	± 0.919	0.649	TTAGCATTATCATGTAAATTGATAAATTTTTTTTTTCATATTTTCTCTCC
chromosome	905027	BB_0845a		**1.179**	± 0.833	0.246	**1.698**	± 1.580	0.325	**0.834**	± 0.458	0.325	**1.079**	± 0.640	0.375	CATAGTCAAAAATATAAAAAATTAAAACAAAAAATTAACGATATGGAAAAA
chromosome	905094	BB_0845a		**0.759**	± 0.965	0.816	**0.194**	± 0.193	0.275	**0.356**	± 0.328	0.363	**0.742**	± 0.659	0.708	ATTACACAATAAAAATAAAAATGATTTATTAAGAATTATTAGTAACTTATA
chromosome	905412	IG 95		**0.892**	± 0.429	0.377	**1.253**	± 0.420	0.225	**0.694**	± 0.245	0.145	**0.988**	± 0.415	0.922	TGGTGTTTATAGCTTTGCCTTTTATTAAATATTTTAAATCTAAGTCTTTGA
chromosome	905666	BB_0845b		**0.856**	± 0.709	0.360	**1.705**	± 1.451	0.306	**0.710**	± 0.550	0.113	**0.725**	± 0.658	0.169	TCTTGTACATTTTCATTTTTAGTACTAGCCATATGCTCAATAATTGTATAG
chromosome	906234	BB_0848a		**0.871**	± 0.554	0.619	**0.623**	± 0.755	0.582	**1.321**	± 0.931	0.666	**0.352**	± 0.345	0.213	CTTGGCTTAATATTAAGATTTTTTTATTCTTTTCATAATAATCTCTTCTAT
chromosome	906896	IG 96		**1.158**	± 0.770	0.788	**3.436**	± 2.744	0.103	**1.097**	± 0.806	0.864	**2.070**	± 2.000	0.289	TACTTAAGATTGGAATTCTCTATGAAAATATATACTCGCTACCCATGTAAA
chromosome	906899	IG 97		**0.670**	± 0.130	0.092	**0.694**	± 0.464	0.480	**0.683**	± 0.172	0.019	**0.855**	± 0.280	0.080	GAGCATTAAGCGTCCCTATAAAGGACTATTCCATATTACAAAAATAACAAT
chromosome	906983	IG 98		**0.938**	± 0.798	0.323	**1.364**	± 1.359	0.441	**0.628**	± 0.453	0.114	**0.871**	± 0.822	0.256	GAGATGTAAATAAAATTATATTCTTATAATTATAAGATCCTATGCTTAAAA
chromosome	906988	IG 99		**1.274**	± 0.279	0.211	**1.815**	± 1.273	0.386	**0.755**	± 0.204	0.187	**1.082**	± 0.194	0.456	CATCTCTATATTAATAGAAAGATGCAAATATGTGATCAAATTGTTATTTTT
chromosome	907088	IG 100		**1.064**	± 0.268	0.712	**1.617**	± 0.573	0.232	**0.655**	± 0.164	0.138	**0.728**	± 0.230	0.148	AGGTTGCTATAAACAACCAAGATATTTAATTTCTTTTAAAACCCTTATTCA
chromosome	907788	BB_0849b		**1.160**	± 0.956	0.821	**1.275**	± 1.282	0.766	**0.734**	± 0.471	0.513	**1.158**	± 0.567	0.723	TTTTATAGAAACACAATAATAATTTTTAGGAGATAAAGTGCTAATCATGGT

chromosome	908223	BB_0849b	**0.919**	± 0.726	0.212	**1.268**	± 1.333	0.535	**0.858**	± 0.607	0.651	**1.177**	± 0.828	0.005	AATACTAAAAATTTTAGTATAAATAAGGTAAGGAAAAAATAATAAAATTAA
chromosome	908782	BB_0852	**1.076**	± 0.412	0.572	**0.838**	± 0.876	0.783	**1.129**	± 1.140	0.810	**1.478**	± 1.228	0.464	ATATACCAAATTCAACTCTCTTTGCTTGAGAACGAATATTTTCAAAATAAG
chromosome	909197	BB_0852	**1.080**	± 0.827	0.793	**1.020**	± 0.702	0.958	**0.489**	± 0.316	0.307	**0.847**	± 0.820	0.386	TTATCTTTTATACCAGAATCTGTGTCATCTTCTATGTCACTTTTCTTGCTG
chromosome	909453	BB_0852	**0.907**	± 0.141	0.516	**1.239**	± 0.429	0.455	**0.779**	± 0.364	0.447	**1.156**	± 0.264	0.493	TCTAGTAAAACCCTCTTTTAAAATTATTTGATCTAGAGCAACAGTAATAGT
chromosome	910040	BB_0853	**0.843**	± 0.681	0.560	**1.576**	± 1.265	0.260	**0.998**	± 0.652	0.993	**0.981**	± 0.715	0.855	AGAAAATATTGCAATAATAAAAAGATTGAAATATCTTTATTAGAAAAGAAT
plasmid_cp26	194	BB_B01	**0.307**	± 0.326	0.034	**0.455**	± 0.451	0.014	**0.891**	± 0.582	0.247	**0.939**	± 0.694	0.440	GTATTAAAGAAAGCTACAATTTCTACCCTTCCATCGTTGAGATTTTTTACA
plasmid_cp26	346	BB_B02	**1.682**	± 0.228	0.017	**1.166**	± 0.179	0.111	**0.968**	± 0.107	0.572	**1.168**	± 0.208	0.212	CTTGTTAAACGAGAGGCAAGCCCTAATAATAAATTTTAAAATCATTAAATT
plasmid_cp26	383	BB_B02	**1.117**	± 0.369	0.652	**0.672**	± 0.312	0.293	**0.531**	± 0.257	0.118	**0.637**	± 0.086	0.033	TGTGCACAATATTAAACCAAAAAAATAAGGTTAAGGTACTTGTTAAACGAGA
plasmid_cp26	404	BB_B02	**1.435**	± 0.686	0.068	**0.777**	± 0.357	0.422	**0.886**	± 0.415	0.751	**0.730**	± 0.320	0.332	GCAAGACACACTAGTTCTAAAAAAAATGTTCGACTTTAAATTTCAAAAACTC
plasmid_cp26	552	BB_B02	**1.105**	± 0.977	0.846	**1.553**	± 1.092	0.196	**1.095**	± 0.908	0.867	**1.786**	± 1.426	0.343	TTTCGTGCAGTTTTTTAAAAACAAGTTGTAATTGTGGGCTTGATATTAAAT
plasmid_cp26	757	IG 101	**1.600**	± 0.552	0.022	**1.274**	± 0.393	0.388	**0.808**	± 0.276	0.099	**1.086**	± 0.421	0.495	ATTTGTATGAAAATAGGTCCTCATTATTTTTTTAAAAAAATTTTAAAATCT
plasmid_cp26	760	IG 102	**1.666**	± 0.317	0.046	**1.130**	± 0.259	0.369	**0.847**	± 0.190	0.184	**1.090**	± 0.299	0.628	TATAATATCTTATTAATAAAATATTTCCTAATATTTCCCAAATATATTGAT
plasmid_cp26	801	IG 103	**1.653**	± 0.336	0.024	**1.234**	± 0.710	0.565	**0.804**	± 0.111	0.192	**1.095**	± 0.256	0.639	TTTGGGAAATATTAGGAAATATTTTATTAATAAGATATTATATAATTTGTA
plasmid_cp26	2258	IG 104	**1.067**	± 0.392	0.579	**0.842**	± 0.306	0.616	**0.696**	± 0.368	0.165	**0.955**	± 0.382	0.796	TAAGCATATTTTTTTAAAATCAGAAATTTTTTACTTAGCTAAAGATTTTAA
plasmid_cp26	2276	IG 105	**1.397**	± 0.565	0.221	**1.232**	± 0.739	0.562	**0.784**	± 0.259	0.049	**1.076**	± 0.509	0.809	TATAATATGTACTAGGATGCATAATAAACCAAAGAAATATTCTATTCACAC
plasmid_cp26	2280	IG 106	**1.585**	± 1.471	0.459	**1.722**	± 1.129	0.426	**0.751**	± 0.294	0.315	**0.975**	± 0.654	0.832	ATATGTACTAGGATGCATAATAAACCAAAGAAATATTCTATTCACACCGAT
plasmid_cp26	2290	IG 107	**1.680**	± 0.380	0.073	**1.016**	± 0.254	0.848	**0.802**	± 0.490	0.575	**0.868**	± 0.664	0.767	GGATGCATAATAAACCAAAGAAATATTCTATTCACACCGATAAATCTTTTT
plasmid_cp26	2350	IG 108	**1.885**	± 0.424	0.081	**1.560**	± 0.824	0.386	**0.992**	± 0.348	0.972	**1.369**	± 0.277	0.186	AATCATAAAATAATAAACTTCGAATTTTAAATAAATTCTTTTATCTCCCAA
plasmid_cp26	2419	IG 109	**1.525**	± 0.492	0.086	**0.917**	± 0.207	0.021	**0.844**	± 0.319	0.198	**1.024**	± 0.241	0.531	TTTATAAATAGCTCTTTTTTTGGGAGATAAAAGAATTTATTTAAAATTCGA
plasmid_cp26	2519	BB_B04	**0.879**	± 0.466	0.624	**1.560**	± 1.783	0.544	**0.737**	± 0.499	0.207	**1.357**	± 0.783	0.068	ATAAAGGGTAAATACATAAATACTGAAATAATCAATAATAATAAAACTAGA
plasmid_cp26	2538	BB_B04	**0.765**	± 0.645	0.702	**0.725**	± 0.310	0.335	**0.818**	± 0.417	0.183	**1.026**	± 0.459	0.887	TTTATGTATTTACCCTTTATTAAAGCGTATGATAAGGCTCTACTTTTGCAG
plasmid_cp26	2660	BB_B04	**0.705**	± 0.570	0.456	**0.688**	± 0.470	0.353	**0.723**	± 0.085	0.053	**1.031**	± 0.133	0.782	ATTCCAAAATTAGTAAGAGTATATGCAACAATTATATTAAATATAGGGATA
plasmid_cp26	2694	BB_B04	**0.531**	± 0.373	0.272	**0.850**	± 0.507	0.729	**0.864**	± 0.205	0.118	**1.252**	± 0.269	0.219	TATTAAATATAGGGATAAGTAAAAAAGGAATGCCTAATATAGGATTTAAAA
plasmid_cp26	2768	BB_B04	**0.701**	± 0.578	0.238	**0.684**	± 0.379	0.056	**0.699**	± 0.225	0.066	**0.871**	± 0.285	0.354	GGTTCATTAATATTAAAAAGACCAGGCGCAAATGAAAGTCTACCTATAGCC
plasmid_cp26	2885	BB_B04	**0.389**	± 0.628	0.299	**0.343**	± 0.386	0.132	**0.292**	± 0.322	0.002	**0.198**	± 0.136	0.053	TTGGTGGTGCTGGCGCAACCCTAGGGCTTGCTATTGCTATGATGCTTAGTA
plasmid_cp26	2963	BB_B04	**0.863**	± 1.251	0.882	**1.773**	± 2.442	0.424	**1.543**	± 1.454	0.581	**1.274**	± 1.275	0.671	GAATCAAGATTTGACAAAATTATAGGATTAAGAAGAGCAATAATAACATTG
plasmid_cp26	3039	BB_B04	**0.645**	± 0.720	0.196	**0.027**	± 0.030	0.129	**0.481**	± 0.702	0.108	**0.184**	± 0.160	0.207	TTATGGTTTTGTGGTCTTCATGGTACCAATGTTATTATTGCTCTTCTTAAT
plasmid_cp26	3861	IG 110	**0.180**	± 0.191	0.077	**1.060**	± 0.680	0.909	**0.668**	± 0.921	0.481	**0.875**	± 0.614	0.796	TAATATAATTTATCTCTCAATAAAAACTAATTAAAAGTTATAATTAATGAC
plasmid_cp26	4228	BB_B05	**0.856**	± 0.707	0.612	**0.877**	± 0.377	0.011	**1.026**	± 0.344	0.903	**1.214**	± 0.443	0.375	TAGTAAGCTCTGCCTTGTCATATTCTTTGTTTTTGGCATATTCTAAAGCTT
plasmid_cp26	4354	BB_B05	**0.757**	± 0.711	0.481	**0.260**	± 0.304	0.164	**0.408**	± 0.357	0.009	**0.795**	± 0.588	0.624	ATGTCTGCAATTTCAGAATTAAGCATTTTTGAAGAATTAATCAATGTTTAC
plasmid_cp26	4596	BB_B06	**0.618**	± 0.583	0.504	**0.747**	± 0.685	0.682	**1.046**	± 0.369	0.785	**1.103**	± 0.418	0.092	CTTGCACCACAGTCAAGATTTAATAAAAAAAGACTTGAAGAAATCACAAAA
plasmid_cp26	4956	BB_B07	**0.830**	± 0.325	0.462	**1.143**	± 0.874	0.830	**0.669**	± 0.451	0.471	**0.901**	± 0.408	0.766	ATAGGTTTCATTCCGTTTTTATTTGCAATGCTAAGTAATTCTTTGAATATG
plasmid_cp26	5144	BB_B07	**1.373**	± 1.283	0.593	**1.141**	± 1.177	0.464	**0.856**	± 0.892	0.808	**1.037**	± 1.009	0.901	AGCAATATAAATAAACATATTGATACAATAATGTATTTTAAGCCTAATATA
plasmid_cp26	5163	BB_B07	**1.312**	± 0.630	0.340	**0.684**	± 0.545	0.514	**0.863**	± 0.144	0.280	**0.967**	± 0.205	0.832	TTGATACAATAATGTATTTTAAGCCTAATATAAAAAATTTACTTGGGTGTC
plasmid_cp26	5217	BB_B07	**0.841**	± 0.336	0.394	**1.430**	± 0.850	0.490	**0.741**	± 0.249	0.348	**0.833**	± 0.298	0.515	ATTTTTATCCTCACAAATATACAGGACTTTCAAGAAATTTCTTTAAAGAAA
plasmid_cp26	5233	BB_B07	**2.338**	± 2.036	0.236	**1.157**	± 1.188	0.850	**0.961**	± 0.805	0.847	**0.926**	± 0.593	0.892	TTTGTGAGGATAAAAATTATGACACCCAAGTAAATTTTTTATATTAGGCTT
plasmid_cp26	5696	BB_B07	**1.534**	± 0.126	0.015	**1.642**	± 0.897	0.348	**0.886**	± 0.078	0.010	**1.046**	± 0.065	0.027	GGATGTCTCCTTTTTTAATTTCATTTGGAGAATGTACAGGAAATTTTTTAT
plasmid_cp26	5809	BB_B07	**0.831**	± 0.367	0.616	**0.925**	± 0.678	0.862	**0.548**	± 0.245	0.140	**0.992**	± 0.478	0.977	TATTTCATCATTGATTATTTTCCCAACTACGTTTACAAGACCATTATTTGG
plasmid_cp26	5816	BB_B07	**2.844**	± 1.048	0.034	**0.924**	± 0.615	0.867	**1.016**	± 0.694	0.978	**0.822**	± 0.269	0.318	CTTGAAAAAAATAGAACCTTGGGAAAAATTCAAAATAATAGAAAATAAATAA
plasmid_cp26	5863	BB_B07	**3.253**	± 2.363	0.212	**2.655**	± 1.888	0.199	**0.942**	± 0.547	0.718	**1.439**	± 1.026	0.587	TTTATTTTCTATTATTTTGAATTTTTCCCAAGGTTCTATTTTTTCAAGTAG
plasmid_cp26	5872	IG 111	**1.528**	± 1.484	0.285	**1.883**	± 2.089	0.332	**0.835**	± 0.783	0.252	**0.961**	± 0.875	0.610	GTGCATTTATTTATTTTCTATTATTTTGAATTTTTCCCAAGGTTCTATTTT
plasmid_cp26	6559	IG 112	**3.213**	± 3.440	0.253	**1.229**	± 1.1233	0.21912	**0.818**	± 0.6245	0.36591	**0.365**	± 0.2297	0.21704	AAGAAAAGCTTGCATAAAAAGTATAACAAATTCTTTAATAATTAAAATCAA
plasmid_cp26	6572	IG 113	**1.417**	± 0.4524	0.306451	**1.488**	± 0.6699	0.37893	**0.853**	± 0.1287	0.07354	**1.059**	± 0.2809	0.76287	TGCAAGCTTTTCTTTAATATTAATATATTTTAGTATATTTAATGAGAAATT
plasmid_cp26	6806	BB_B09	**0.729**	± 0.1033	0.079702	**0.243**	± 0.2166	0.03327	**0.739**	± 0.2406	0.1929	**0.794**	± 0.2981	0.40387	TTATCGAGTCTTCTTGAAATTTTAGTTTTCCTAATTTATGGTTTGTATCGT
plasmid_cp26	6845	BB_B09	**1.410**	± 0.4818	0.078106	**1.12**	± 0.4323	0.18586	**0.785**	± 0.3071	0.05399	**0.95**	± 0.3174	0.66923	CTCCCACAATGGATATTTTATTATCATAATTTCTGCTTATTATCGAGTCTT
plasmid_cp26	6848	BB_B09	**1.465**	± 0.2079	0.006451	**1.177**	± 0.2254	0.35769	**0.817**	± 0.1376	0.09211	**1.014**	± 0.253	0.92958	TACAACCCTTTAACAGAAAAAGAAAATTTTAAAGTCAATATTTTCATCAAA
plasmid_cp26	6967	BB_B09	**0.579**	± 0.6509	0.053423	**0.682**	± 0.7512	0.10495	**0.617**	± 0.5871	0.16853	**0.633**	± 0.5936	0.15054	TAAAGCAGAACTCAAAGTAAAATCTAGCTTTAATAAAAGCATTATCAGTAT
plasmid_cp26	7043	BB_B09	**2.183**	± 1.4065	0.28316	**1.031**	± 0.5856	0.95198	**0.921**	± 0.4571	0.73738	**1.112**	± 0.7466	0.78666	ATAGATCTCTTGAATTAGTTAGTGAAATACTGATAATGCTTTTATTAAAGC
plasmid_cp26	7150	BB_B09	**1.067**	± 0.5494	0.711468	**0.905**	± 0.6131	0.67958	**0.867**	± 0.3346	0.68499	**0.432**	± 0.335	0.07553	TGCTAAAATATACTCCTTATTAAATTTTATACTGTGCGATACGTTCCAATT

plasmid_cp26	7279	BB_B09		**4.760**	± 5.703	0.065273	**1.144**	± 1.531	0.68366	**3.034**	± 3.7036	0.18341	**1.753**	± 2.6176	0.13119	CATCTACAGTATGAAAATTCCAAAATTATTTGAAAAATCAGACGCTCCCTC
plasmid_cp26	7363	BB_B09		**2.298**	± 2.241	0.199864	**0.837**	± 0.7642	0.57926	**1.22**	± 1.07	0.79053	**0.668**	± 0.7286	0.58608	TTACCCCTGTGAAAATTTAAATATACTGTTTTTGAATTTAAGCTTATACTC
plasmid_cp26	7406	BB_B09		**0.708**	± 0.805	0.670064	**1.621**	± 1.3569	0.01862	**0.568**	± 0.6295	0.12368	**1.45**	± 1.2268	0.14915	AGCTTAAATTCAAAAACAGTATATTTAAATTTTCACAGGGGTAATAATTTG
plasmid_cp26	7520	BB_B09		**0.978**	± 0.6089	0.962995	**0.249**	± 0.2435	0.22995	**0.661**	± 0.48	0.41394	**1.237**	± 0.8741	0.06283	ATGTTTCTTTTATTGTTTTTGAATTCTTTAAGGCTCTCACAGGAGGCTCCA
plasmid_cp26	7634	BB_B09		**0.362**	± 0.6471	0.394478	**1.558**	± 1.8703	0.58348	**1.321**	± 1.4326	0.62225	**1.704**	± 1.0791	0.39094	TATAAACCACTTCTTTTAAAATTCTTAAAAGAAGTAGATCATTGCATAAAA
plasmid_cp26	9420	BB_B12		**1.003**	± 0.8028	0.97494	**0.798**	± 0.5801	0.72537	**0.317**	± 0.4307	0.09941	**0.905**	± 1.0296	0.85483	GTACAAGTTTTTATATTAATATATTAAGAAAAAAAAAACCTTAGTCCAAAAG
plasmid_cp26	10843	IG 114		**1.825**	± 0.7275	0.137791	**1.839**	± 1.6613	0.38557	**1.119**	± 0.554	0.65552	**1.128**	± 0.8298	0.72045	ATATAGCCTCTATATCAATTCTATTTTGCAATAAAAATTTATTTTAAACTG
plasmid_cp26	10964	BB_B14		**1.936**	± 0.8772	0.114463	**1.429**	± 0.733	0.27504	**0.925**	± 0.2778	0.6206	**1.083**	± 0.2807	0.44239	GAAAGTCCAAAATTTTATATTTTTTCAAGCTTAAATCTTCTAATCCAATTC
plasmid_cp26	11059	BB_B14		**1.683**	± 1.0738	0.260652	**1.648**	± 1.2908	0.37076	**0.913**	± 0.3603	0.58706	**1.203**	± 0.5943	0.33727	ATCATCCTTTCCAATAAAGATTTGGTCAAAACAAATGATGAATAATTAATC
plasmid_cp26	11145	BB_B14		**2.064**	± 1.3812	0.312532	**1.569**	± 0.7471	0.29021	**1.209**	± 0.5144	0.39558	**1.151**	± 0.4116	0.37256	GCTTACTTTTCCCTCAATTTTAGTTCCATCCAGCAGCAATAAAGGATTCTG
plasmid_cp26	11183	BB_B14		**0.922**	± 1.1658	0.942647	**0.751**	± 0.7499	0.74014	**0.314**	± 0.3918	0.24488	**0.754**	± 0.9042	0.77053	TTGCTGCTGGATGGAACTAAAATTGAGGGAAAAGTAAGCTACAAAAGAGAT
plasmid_cp26	11203	BB_B14		**1.372**	± 0.4028	0.218904	**1.167**	± 0.453	0.5568	**0.913**	± 0.0537	0.09599	**0.985**	± 0.1551	0.84897	TAACAGAACAGAATCCTTTATTGCTGCTGGATGGAACTAAAATTGAGGGAA
plasmid_cp26	11234	BB_B14		**1.325**	± 0.6328	0.521635	**1.327**	± 0.6425	0.49773	**0.936**	± 0.3759	0.83436	**0.868**	± 0.2988	0.62433	CTATTTTAGTTATTCCTGTTTTATAATTAAAAATACCCTTAAGTTCTGCAT
plasmid_cp26	11239	BB_B14		**1.611**	± 0.4511	0.058488	**1.062**	± 0.3462	0.75488	**1.02**	± 0.2047	0.85353	**0.763**	± 0.1939	0.1315	AAATAGTATTATACACAAGGTTTAGAAACCATAGTATAACAGAACAGAATC
plasmid_cp26	11266	BB_B14		**1.067**	± 0.2158	0.686256	**1.126**	± 0.1154	0.28797	**0.844**	± 0.1354	0.05586	**1.024**	± 0.132	0.82598	TTTTTAATTATAAAACAGGAATAACTAAAATAGTATTATACACAAGGTTTA
plasmid_cp26	11304	BB_B14		**1.584**	± 0.574	0.20789	**1.626**	± 0.841	0.35566	**1.332**	± 0.2135	0.06795	**1.052**	± 0.3541	0.86171	TATTCTAAATGTTTTTCCAAATTGATCGTGCTCAACGTTTAAGGAAGTGCA
plasmid_cp26	11306	BB_B14		**1.626**	± 0.7113	0.111719	**1.3**	± 0.8594	0.30288	**0.838**	± 0.3346	0.31817	**1.002**	± 0.3835	0.99445	TTCTAAATGTTTTTCCAAATTGATCGTGCTCAACGTTTAAGGAAGTGCAAG
plasmid_cp26	11360	BB_B14		**1.542**	± 1.562	0.110069	**0.508**	± 0.6077	0.09121	**0.702**	± 0.5883	0.55106	**0.91**	± 0.8915	0.79869	ATATCTTGCACTTCCTTAAACGTTGAGCACGATCAATTTGGAAAAACATTT
plasmid_cp26	11409	BB_B14		**1.163**	± 0.1349	0.053551	**0.898**	± 0.1539	0.3942	**0.85**	± 0.0498	0.02003	**0.999**	± 0.15	0.994	TAATATCATATTCCTCTCCTTTGATAAAAAAATTATAAACTAGTGAACATA
plasmid_cp26	11414	BB_B14		**2.601**	± 2.8257	0.08203	**0.522**	± 0.928	0.60583	**1.59**	± 1.722	0.45278	**1.746**	± 1.7924	0.44365	TCATATTCCTCTCCTTTGATAAAAAAATTATAAACTAGTGAACATAATAAT
plasmid_cp26	11457	IG 115		**1.213**	± 0.2473	0.345106	**1.17**	± 0.554	0.67082	**0.678**	± 0.2644	0.12656	**0.901**	± 0.1776	0.54101	TGTTCACTAGTTTATAATTTTTTTATCAAAGGAGAGGAATATGATATTATA
plasmid_cp26	11475	IG 116		**0.246**	± 0.3442	0.345813	**0.19**	± 0.2166	0.27199	**0.209**	± 0.321	0.34964	**0.561**	± 0.7672	0.32466	ATAAAAAATATATTATTATGTTCACTAGTTTATAATTTTTTTATCAAAGGA
plasmid_cp26	11640	IG 117		**1.522**	± 0.5196	0.016736	**1.523**	± 0.645	0.06691	**0.932**	± 0.2984	0.64701	**1.039**	± 0.3015	0.68726	TACAAGAACTTTCTTGCTTTTAAAACACCTTTTAAAGAGTTTAAAAACTTT
plasmid_cp26	11837	IG 118		**1.617**	± 0.7518	0.138914	**1.389**	± 0.8833	0.56518	**1.028**	± 0.5312	0.53591	**1.36**	± 0.7223	0.28841	TTGCTTGCTCTCCAATGGTTATTATACATATAAAAAATAATTTTAAATTTA
plasmid_cp26	12069	BB_B16		**0.216**	± 0.2361	0.157382	**0.412**	± 0.4873	0.20586	**0.523**	± 0.5011	0.25253	**1.242**	± 1.4417	0.57666	AGTAAAATTAAATTGAGAAATAATACAACTTTTAACTTTTTTATCAATATT
plasmid_cp26	12693	BB_B16		**0.116**	± 0.0999	0.09858	**0.35**	± 0.3844	0.09011	**0.968**	± 0.6456	0.82457	**0.791**	± 0.4741	0.65144	TTATTCTTTTCAAGAACAACCTTTTCATTTAAAACTCTAGATTTTAATTTG
plasmid_cp26	12732	BB_B16		**0.054**	± 0.083	0.033415	**0.221**	± 0.2213	0.09388	**0.64**	± 0.3671	0.21346	**0.517**	± 0.3474	0.28168	TTATATTTTTTGTCACAGATAATAGCATTACAGCTTATAATATGTATTTAA
plasmid_cp26	12750	BB_B16		**0.018**	± 0.0339	0.160576	**0.008**	± 0.0162	0.16326	**1.213**	± 0.9853	0.6626	**1.155**	± 1.8519	0.77978	TCTGTGACAAAAAAATATAATACTGTCAAGAACAACATCTTTGGAATTATAA
plasmid_cp26	13146	BB_B16		**0.528**	± 0.5726	0.18674	**0.839**	± 0.8579	0.39444	**1.426**	± 1.4966	0.50924	**1.728**	± 1.1135	0.11437	TTGTACTTTACTTTTAATAAAGGAAAATTATTACCATTGGGATATCCTGCA
plasmid_cp26	13469	BB_B16		**0.134**	± 0.1336	0.006824	**0.417**	± 0.376	0.02301	**1.131**	± 0.3278	0.54606	**0.935**	± 0.382	0.31234	TTATTGCTTCTGCTTTTTTTAGAATTTCCTGTCTTTTAAAAATATCTCTCT
plasmid_cp26	13728	IG 119		**0.239**	± 0.2639	0.130732	**0.102**	± 0.1919	0.21807	**1.575**	± 1.4913	0.60587	**0.651**	± 0.8179	0.57962	TTTAAAAATAATAATTCTAAAATAATTAAGTTAAAGAAATGAATTCTTAAT
plasmid_cp26	13867	IG 120		**1.350**	± 0.6817	0.476099	**0.329**	± 0.3789	0.09622	**0.521**	± 0.2437	0.03812	**1.171**	± 0.6577	0.69137	TTTAATTTGATAAATGTTTTTTATTTTTATGTTATGCTAAAAACATCGTGA
plasmid_cp26	13879	IG 121		**1.635**	± 0.2901	0.006737	**1.519**	± 0.5636	0.16748	**0.706**	± 0.0934	0.02872	**0.989**	± 0.1425	0.8516	AATGTTTTTTATTTTTATGTTATGCTAAAAACATCGTGAGGATGGGATTCT
plasmid_cp26	13931	BB_B17		**2.445**	± 0.6658	0.057584	**1.652**	± 0.3941	0.11706	**0.866**	± 0.1601	0.44074	**1.363**	± 0.3585	0.28822	AAAGAATCCCATCCTCACGATGTTTTTAGCATAACATAAAAATAAAAAACA
plasmid_cp26	13949	BB_B17		**2.076**	± 1.4808	0.002679	**2.357**	± 3.2373	0.49366	**1.215**	± 0.9174	0.28841	**1.611**	± 1.1227	0.16547	TTTTTACAAACTTAGAATTTATTTTTAAATCAGATATTGTTGCTGCTCCTA
plasmid_cp26	14428	BB_B17		**1.871**	± 0.6895	0.139297	**1.389**	± 0.7713	0.54745	**0.873**	± 0.3947	0.13714	**1.141**	± 0.3877	0.57673	CTACCCGGACCTATTCCTACTTTTAAACAATCTGCTCCTACACTTATTAAA
plasmid_cp26	14471	BB_B17		**1.904**	± 0.9755	0.145187	**1.775**	± 1.1758	0.39527	**1.059**	± 0.9212	0.85954	**0.876**	± 0.5009	0.55436	AGTGTAGGAGCAGATTGTTTAAAAGTAGGAATAGGTCCGGGTAGTATATGC
plasmid_cp26	14518	BB_B17		**2.817**	± 2.665	0.375221	**1.525**	± 1.55	0.64616	**1.083**	± 1.1538	0.90816	**1.213**	± 2.1142	0.87142	AGGTCTAAGTTTGGGTACTTGGTTTTAATTTTTTTGATAAGCTCTATTATT
plasmid_cp26	14606	BB_B17		**1.854**	± 1.3138	0.321181	**0.815**	± 0.656	0.70519	**0.661**	± 0.5084	0.56815	**1.04**	± 0.6837	0.93856	TATCTACATGTGCTTTTACAAGCTCTTCAACTCGTTCTATGGTATCAATAT
plasmid_cp26	15059	BB_B17		**2.100**	± 0.7335	0.086909	**0.652**	± 0.6861	0.44835	**0.729**	± 0.3609	0.25955	**1.116**	± 0.4759	0.50131	AAGACACATCATCAAAAGTTAAAGCTTCTTTTGTTATCTTATTTGGCATAA
plasmid_cp26	15095	BB_B17		**1.088**	± 1.1895	0.87935	**0.983**	± 0.9769	0.97436	**0.705**	± 0.989	0.75579	**1.043**	± 1.5786	0.97121	TCTTATTTGGCATAAATTTTCCTTTTTATTGTTCTTATTATTCCCATTCTA
plasmid_cp26	15172	BB_B18	*guaA*	**2.022**	± 0.606	0.035135	**1.341**	± 0.6173	0.46973	**0.936**	± 0.3099	0.57692	**1.174**	± 0.3803	0.44574	TCATAACAAACTCTATTTATACCCCGAACTTCATTAATTATTCTTGAAGAA
plasmid_cp26	15205	BB_B18	*guaA*	**1.249**	± 1.6597	0.517966	**1.331**	± 1.2696	0.24141	**0.596**	± 0.5397	0.31752	**0.514**	± 0.8016	0.04405	ATGAAGTTCGGGGTATAAATAGAGTTTGTTATGATATATCTTCTAAGCCTC
plasmid_cp26	15212	BB_B18	*guaA*	**1.667**	± 0.9065	0.229071	**1.623**	± 0.9575	0.31872	**1.029**	± 0.4991	0.27318	**1.006**	± 0.4255	0.98809	TTCTTGAAGAAACTTTTTTTAAAAAACTGTAAGGAAGTTCAGTCCATTCTG
plasmid_cp26	15296	BB_B18	*guaA*	**1.908**	± 0.4541	0.004581	**1.454**	± 0.5043	0.31133	**0.903**	± 0.3343	0.31426	**1.006**	± 0.3093	0.97468	ATTAGATGTGTAAATACCCAAGACTTCATGACTGCAGAATGGACTGAACTT
plasmid_cp26	15304	BB_B18	*guaA*	**1.560**	± 0.7462	0.246289	**1.455**	± 1.6721	0.71809	**0.471**	± 0.2427	0.08789	**0.68**	± 0.4658	0.09758	CAGCTGTAATTAGATGTGTAAATACCCAAGACTTCATGACTGCAGAATGGA
plasmid_cp26	15484	BB_B18	*guaA*	**1.331**	± 0.8149	0.338171	**0.825**	± 0.6416	0.76247	**0.838**	± 0.5642	0.243	**0.682**	± 0.2752	0.07975	GCTAGTCCTGGGCCGGGAAATGGATGTCTGTAAAGAGATTCTTTTTTAATA
plasmid_cp26	15849	BB_B18	*guaA*	**1.969**	± 0.4477	0.075503	**1.845**	± 1.121	0.34591	**0.847**	± 0.0866	0.07483	**1.031**	± 0.1431	0.71597	TTTTATATTTAAATCATATTGATGCTTTAATTCTAGTATTTTTTTATCTTC
plasmid_cp26	15853	BB_B18	*guaA*	**1.717**	± 0.3232	0.023979	**1.337**	± 0.5219	0.4336	**0.883**	± 0.2771	0.04499	**0.869**	± 0.1878	0.16012	TAAAATATATTGATGCTTCTACAAAATTCTTGAACCGTTTAAAAAATATAA

plasmid_cp26	16007	BB_B18	*guaA*	**1.858**	± 2.0196	0.510563	**0.508**	± 0.3529	0.3873	**0.522**	± 0.5639	0.10375	**1.078**	± 1.1199	0.73091	GGACTTTCTGGTGGCACAGACTCTTTAGTTTGCGCATTGCTTATAAAAAAA
plasmid_cp26	16204	BB_B18	*guaA*	**1.879**	± 0.1793	0.014129	**1.275**	± 0.7232	0.60203	**0.802**	± 0.1833	0.09471	**1.068**	± 0.257	0.65775	GAAGCAATACAATTTTTTGTAAAAGCTAATTGTTTGAAATTATCAGGAATT
plasmid_cp26	16409	BB_B18	*guaA*	**1.895**	± 0.774	0.019208	**1.1**	± 0.4114	0.71404	**0.831**	± 0.3629	0.29175	**0.863**	± 0.3909	0.25073	TTTGCATTCCATAACATATACCCAAAATAGGTATTTTCAAATTAAAAATTT
plasmid_cp26	16424	BB_B18	*guaA*	**0.993**	± 0.5786	0.966784	**0.896**	± 0.4334	0.77815	**0.597**	± 0.3229	0.05714	**0.649**	± 0.2365	0.04907	TGTTATGGAATGCAAATAATTGTTAAATTATTTGGGGGCCTAGTATCTAAA
plasmid_cp26	16427	BB_B18	*guaA*	**1.764**	± 0.5208	0.156594	**1.459**	± 0.6685	0.40694	**0.794**	± 0.3408	0.29659	**0.955**	± 0.3863	0.8676	TACCCAAAATAGGTATTTTCAAATTAAAAATTTCCATATTCAAGGTAGGAG
plasmid_cp26	16616	BB_B18	*guaA*	**2.070**	± 1.2608	0.202533	**1.638**	± 1.3479	0.53308	**0.98**	± 0.6202	0.93176	**1.1**	± 0.7695	0.8256	GTTGGCTATATTGGGATCCAAAATCTAATACAAGTATTGCCTGAGTATTCA
plasmid_cp26	16621	BB_B18	*guaA*	**1.918**	± 1.1204	0.304784	**1.073**	± 0.8972	0.92328	**1.178**	± 0.576	0.4931	**1.433**	± 0.6621	0.17652	GCCAACTAATTGCAAGAAGAATTAGAGAAATTGGCGTTTATACAAAAGTAA
plasmid_cp26	16674	IG 122		**2.070**	± 0.6853	0.058566	**1.35**	± 0.4901	0.398	**0.86**	± 0.2622	0.46737	**1.138**	± 0.5132	0.66894	AGTCCTTAAATAAATTAAAACTTTTTTTATTAAAGTATACTTCATTTAATT
plasmid_cp26	17685	IG 123		**1.515**	± 0.2945	0.086846	**1.29**	± 0.4819	0.44359	**0.852**	± 0.1031	0.05279	**1.075**	± 0.1884	0.34908	AAGAATAAAAACTTATTACAAAAGCCGTTAATAAATTGAATTTAAGCATTT
plasmid_cp26	18064	BB_B22		**1.960**	± 1.0475	0.217333	**1.384**	± 0.6817	0.33941	**1.014**	± 0.2754	0.76073	**1.221**	± 0.4184	0.27306	TGTTTATTAAAACATAAAATATTATTCCAATACTTATCCCCGAAGAGATAT
plasmid_cp26	18156	BB_B22		**0.473**	± 0.4226	0.100485	**0.973**	± 1.6839	0.98111	**0.036**	± 0.0618	0.01516	**0.137**	± 0.1676	0.03596	TTCCCAGTTTTTTAATACTTTTTCTAATCCCCTTAACATACAATATCTCTT
plasmid_cp26	18223	BB_B22		**1.476**	± 0.2822	0.135854	**0.953**	± 0.2244	0.60204	**0.812**	± 0.2439	0.29244	**0.907**	± 0.2154	0.38213	TTAGTGCTGCAGCAGTTGCACTAGCAGGAACTGCAATAAATAATGGTGAAA
plasmid_cp26	18310	BB_B22		**1.432**	± 0.8872	0.541407	**0.512**	± 0.393	0.32081	**0.599**	± 0.2326	0.15826	**0.638**	± 0.3048	0.02092	TTGTTGTAAGTCCGGTTTTACCACCTTCTTCTATTCCTGTGCAACTTTCAA
plasmid_cp26	18532	BB_B22		**2.347**	± 1.8026	0.146823	**0.67**	± 0.3488	0.25394	**0.69**	± 0.5677	0.29426	**1.086**	± 0.8284	0.56203	TTGCTGTTTAACGATTTATTTGATACTTTGGGCACTTTAATAGCAGTGGCA
plasmid_cp26	18574	BB_B22		**0.695**	± 1.3358	0.616894	**1.226**	± 2.2522	0.73141	**0.326**	± 0.7657	0.60563	**0.489**	± 0.7963	0.5973	TTAAGCAAACATTTTTGGAGCTTTATTACAATTGTATTGGTATTGCTGTTT
plasmid_cp26	18577	BB_B22		**1.628**	± 0.7103	0.062228	**1.267**	± 0.4337	0.41413	**0.885**	± 0.5736	0.5835	**0.915**	± 0.42	0.68629	TGTAGGAAAAATCTAACTGGTTAAATATTGGCCCAATAGATTCGAATCTTA
plasmid_cp26	18597	BB_B22		**1.953**	± 0.3502	0.008611	**1.745**	± 0.9646	0.347	**1.188**	± 0.4393	0.46418	**1.434**	± 0.2317	0.00657	ACCAGTTAGATTTTTCCTACATATTAAGCAAACATTTTTGGAGCTTTATTA
plasmid_cp26	18700	BB_B22		**1.195**	± 0.5097	0.658971	**0.837**	± 0.5146	0.39875	**0.995**	± 0.2355	0.96676	**1.341**	± 0.6873	0.5235	TGGCAGTGACTGAGCAAATTGCCCAAAGTATACTTCCCCTTATATTTAATT
plasmid_cp26	18727	BB_B22		**3.958**	± 1.5165	0.045243	**4.563**	± 5.276	0.36485	**1.902**	± 1.001	0.16225	**2.9**	± 1.5913	0.09477	CTTTGGGCAATTTGCTCAGTCACTGCCATAGCTTGGATATATGCAATCTTT
plasmid_cp26	18744	BB_B22		**1.604**	± 0.6236	0.10442	**1.132**	± 0.464	0.7154	**0.77**	± 0.4051	0.3536	**1.191**	± 0.513	0.04772	TTTAATTGTTCAAAAATTACAATAAAAAATAATCCTAAAAATGTAAATAAA
plasmid_cp26	18906	BB_B22		**1.852**	± 1.1199	0.313243	**0.874**	± 0.469	0.4451	**0.87**	± 0.4453	0.41313	**0.805**	± 0.4895	0.39284	ATAGAGTATTTTAAATTTACCGGTATGGAATTTGCAATACTTTCCCTAGCT
plasmid_cp26	18996	BB_B22		**0.965**	± 0.4122	0.817698	**0.517**	± 0.4221	0.28072	**0.986**	± 0.4204	0.94245	**1.087**	± 0.2228	0.39689	AAAACAGCAGCTAGTGCAACTTGCCAAGGAATATTCATTCCAATTACTACA
plasmid_cp26	19098	BB_B22		**1.251**	± 0.7575	0.688895	**1.852**	± 1.2961	0.25552	**0.973**	± 0.6908	0.95868	**0.807**	± 0.2834	0.53153	CCCCTATATCACTAGCACCAGGTATGGGTCTTAATGCATTTTTTGCATTTT
plasmid_cp26	19106	BB_B22		**1.042**	± 0.7636	0.933144	**1.131**	± 1.2213	0.89014	**0.751**	± 0.3788	0.32658	**0.496**	± 0.3048	0.31371	TACTAATACCCCTATATCACTAGCACCAGGTATGGGTCTTAATGCATTTTT
plasmid_cp26	19123	BB_B22		**1.083**	± 0.5212	0.856562	**0.926**	± 0.6165	0.88654	**0.62**	± 0.2439	0.26076	**0.691**	± 0.2678	0.17957	TACTAGAAAATGCTGATGTTAAGCAAGTTGCAGTAACTAATGCGCCAATTG
plasmid_cp26	19162	BB_B22		**2.287**	± 1.344	0.235486	**0.964**	± 0.5645	0.9219	**0.735**	± 0.4811	0.23174	**1.013**	± 0.6998	0.93435	ATGCGCCAATTGGCATACCTGTGCTAGATAATATTGCCGGATTAACAGCTA
plasmid_cp26	19210	BB_B22		**2.407**	± 2.8533	0.245253	**1.098**	± 1.3078	0.87429	**0.516**	± 0.6341	0.52575	**1.504**	± 1.7684	0.48475	GCTGTTAATCCGGCAATATTATCTAGCACAGGTATGCCAATTGGCGCATTA
plasmid_cp26	19582	BB_B23		**2.339**	± 2.8903	0.316941	**0.32**	± 0.4793	0.07559	**0.423**	± 0.786	0.52959	**0.599**	± 0.706	0.58496	TAAGCTAAAGGAATCAAAAAAAATATTAAAAAGCTGGAAATATTTTCTCTA
plasmid_cp26	19682	BB_B23		**0.935**	± 0.2252	0.635287	**0.898**	± 0.2775	0.37643	**1.095**	± 0.2301	0.2713	**1.001**	± 0.1372	0.96131	CATATATTAATGCTGCAGCAGTTGCGCTAGCAGGAACGGCAATAAACAATG
plasmid_cp26	19831	BB_B23		**1.164**	± 1.2654	0.557417	**2.958**	± 4.2438	0.26329	**0.769**	± 0.8368	0.60916	**2.374**	± 2.3914	0.25051	CTTATATTGAAAGTTTTACAGGAATTGCTGAGGGTGGAAAAACGGGCCTTA
plasmid_cp26	20002	BB_B23		**2.404**	± 1.6262	0.030121	**2.091**	± 1.4197	0.02875	**1.762**	± 1.3348	0.1943	**1.407**	± 1.179	0.42997	AAAACTATTGATATAAAAGTCCAAAAATGCTCATTTAAAACATAAGAAAAA
plasmid_cp26	20165	BB_B23		**1.663**	± 0.2219	0.028141	**1.012**	± 0.3562	0.95696	**0.857**	± 0.2259	0.376	**1.246**	± 0.2414	0.12551	TGGCAGTGACTGAGCAAATTGCCCAAAGTATACTTCCCCTTACATTTAATT
plasmid_cp26	20192	BB_B23		**3.689**	± 0.9231	0.034335	**4.189**	± 4.6243	0.36023	**1.841**	± 0.8239	0.19028	**2.628**	± 1.3108	0.13534	CTTTGGGCAATTTGCTCAGTCACTGCCATAGCTTGGATATATGCAATCTTT
plasmid_cp26	20209	BB_B23		**1.702**	± 0.6406	0.069924	**1.135**	± 0.4339	0.69659	**0.783**	± 0.4709	0.48668	**1.239**	± 0.5629	0.03996	TTTAATTGTTCAAAAATTACAATAAAAAATAATCCTAAAAATGTAAATAAA
plasmid_cp26	20299	BB_B23		**2.153**	± 1.8076	0.254488	**1.748**	± 1.9543	0.41273	**0.624**	± 0.313	0.35264	**1.218**	± 1.001	0.40112	GCATCATTTTTAATGATAATTCCCCCGCTGACAAAGCCAATAAAAGCAATA
plasmid_cp26	20458	BB_B23		**0.962**	± 0.6097	0.873127	**0.451**	± 0.4024	0.25349	**0.64**	± 0.4706	0.35663	**0.64**	± 0.2314	0.02955	TTGAAGGACTAATTTTCATTCTCTTATCTTTTTTAAGAGTAAGGGAGCAAA
plasmid_cp26	20461	BB_B23		**0.749**	± 0.2235	0.023288	**0.434**	± 0.362	0.21827	**0.803**	± 0.2916	0.05004	**0.903**	± 0.2753	0.12435	AAAACAGCAGCTAATGCAACTTGCCAAGGTATATTCATCCCAATTACTACA
plasmid_cp26	20462	BB_B23		**1.540**	± 0.6576	0.302863	**0.5**	± 0.4005	0.14027	**0.926**	± 0.1762	0.59556	**1.317**	± 0.5024	0.3972	AAACAGCAGCTAATGCAACTTGCCAAGGTATATTCATCCCAATTACTACAG
plasmid_cp26	20489	BB_B23		**1.288**	± 0.6314	0.40105	**1.24**	± 1.0332	0.68827	**0.827**	± 0.2167	0.29286	**0.856**	± 0.2008	0.07776	CCTTGGCAAGTTGCATTAGCTGCTGTTTTTATTGAAGGACTAATTTTCATT
plasmid_cp26	20555	BB_B23		**1.592**	± 1.5753	0.331633	**1.043**	± 1.0066	0.93549	**1.246**	± 1.2942	0.80031	**1.077**	± 1.1066	0.9245	GCATTGGCTTCTGGAATGAGCTTGAATGCGTTTTTTGCATTTTCTGTAGTA
plasmid_cp26	20728	BB_B23		**1.271**	± 2.0547	0.688917	**0.736**	± 1.5584	0.24936	**0.684**	± 1.023	0.77568	**2.07**	± 3.043	0.37257	AAAAGGAAATTCTTGCGGGCATTACTACTTTTTTGAGTATGTCATATATTA
plasmid_cp26	20737	BB_B23		**0.708**	± 0.7641	0.25421	**0.869**	± 1.0153	0.51462	**0.454**	± 0.4648	0.08947	**1.04**	± 1.1717	0.88412	ATATCACTGTTTTTAAATTGAAAAAATAAACCTTTTACATACTTACCCATA
plasmid_cp26	20775	BB_B23		**0.570**	± 0.9132	0.02694	**1.759**	± 1.9601	0.58447	**1.034**	± 1.2924	0.96336	**1.067**	± 1.3116	0.80512	TGTAAAAGGTTTATTTTTTCAATTTAAAAACAGTGATATTAACTATAAAAA
plasmid_cp26	20996	BB_B24		**1.200**	± 0.8731	0.719768	**2.184**	± 1.16	0.18104	**0.802**	± 0.2424	0.01289	**1.305**	± 0.584	0.31334	AGCTTTTAAAGAAATGTCTCTTCCAACGCTAAAAAAGGTTTGAAGATATTT
plasmid_cp26	21044	BB_B24		**1.594**	± 0.8964	0.202822	**1.429**	± 0.6609	0.26752	**0.863**	± 0.4813	0.76727	**1.511**	± 0.8641	0.38529	TTTATTATCAATTAGCTTATGCCGATTAAATAGAAATAAGGCAATTATATC
plasmid_cp26	21058	BB_B24		**1.074**	± 1.2769	0.938142	**1.449**	± 2.0906	0.19674	**0.844**	± 0.9981	0.85273	**0.917**	± 1.0712	0.93038	GCTTATGCCGATTAAATAGAAATAAGGCAATTATATCATTTCCAACTTTTA
plasmid_cp26	21198	BB_B24		**1.345**	± 0.2097	0.056725	**1.001**	± 0.2265	0.99423	**0.797**	± 0.138	0.06992	**0.961**	± 0.2151	0.79604	AATTAATTCAAGAGAATAATAAAATTTCTTTAAGACATTATTTTACTGTTT
plasmid_cp26	21325	BB_B24		**1.506**	± 1.6338	0.010171	**1.419**	± 1.6119	0.24113	**0.71**	± 0.4799	0.95515	**0.674**	± 0.3626	0.91407	ATATGTAAGTTTTTTTATAAAATTTTGTTTTTAAATGCATATTCTAAAGTA
plasmid_cp26	21325	BB_B24		**1.210**	± 0.7568	0.621395	**0.846**	± 1.0486	0.66778	**0.964**	± 0.8631	0.4638	**0.911**	± 1.0035	0.07631	TTATGGACTTTCTTGAAAATTTTTAAAAAATATTTATTACTTTTTTATTTG

plasmid_cp26	21328	BB_B24	**1.484**	± 0.1259	0.01144	**1.244**	± 0.205	0.24366	**0.83**	± 0.1082	0.01807	**1.028**	± 0.1612	0.8153	TGTAAGTTTTTTATAAAATTTTGTTTTAAATGCATATTCTAAAGTATTT
plasmid_cp26	21420	BB_B25	**1.299**	± 0.847	0.081476	**1.057**	± 0.5726	0.6942	**0.836**	± 0.5022	0.33037	**1.08**	± 0.6857	0.49506	TTGCAAGGTATCCTTAGTCCAAACCTGAAAAGAATCCTCATTAAATAAAAA
plasmid_cp26	23099	BB_B27	**1.844**	± 1.4327	0.052779	**1.133**	± 0.8485	0.70428	**0.914**	± 0.8492	0.67502	**0.774**	± 0.7403	0.25032	TATCTTTGGTAAAAATACCAGAAAAAGATAAAATAAATTTAACTGTTTTAT
plasmid_cp26	23100	BB_B27	**1.562**	± 0.4181	0.085936	**0.955**	± 0.3257	0.44454	**0.863**	± 0.2345	0.57679	**1.626**	± 0.3866	0.09107	TAGTTGAACAACCATAAAACAATAAAAAATAAACGGATATTAAAAACTTCT
plasmid_cp26	23194	IG 124	**0.832**	± 0.9301	0.468929	**0.495**	± 0.8257	0.54668	**0.566**	± 0.7293	0.24471	**1.302**	± 1.4244	0.58886	CTTTACTTTATTTTACTAAAAGCATACAATTAGGCATTAAATGAAGAAGTT
plasmid_cp26	23240	IG 125	**2.121**	± 1.2788	0.103098	**1.302**	± 0.9034	0.54658	**0.887**	± 0.5231	0.69981	**1.269**	± 1.1337	0.72324	AAGTTTATTTTTAAATTATATCAAAATATTTCTATATTTTTATTTACTTTA
plasmid_cp26	23253	IG 126	**2.589**	± 2.1444	0.299333	**2.112**	± 2.111	0.49371	**1.443**	± 1.2136	0.3282	**1.706**	± 1.2195	0.17968	AAATGAGTTATTATGTGCTAAGCAAAATATTTCTATATTCTGGGTACCTTG
plasmid_cp26	23266	BB_B28	**1.785**	± 0.6797	0.063707	**1.247**	± 1.7995	0.82693	**1.139**	± 0.8024	0.83022	**0.869**	± 0.2873	0.06933	TGTGCTAAGCAAAATATTTCTATATTCTGGGTACCTTGTTATTGGATTTTT
plasmid_cp26	23270	BB_B28	**1.636**	± 0.6236	0.054952	**0.87**	± 0.5813	0.56405	**0.866**	± 0.3299	0.05916	**1.024**	± 0.5234	0.91718	GCACATAATAACTCATTTTACATCCTTTTAAAGTTTATTTTTAAATTATAT
plasmid_cp26	23342	BB_B28	**2.107**	± 0.8396	0.007659	**1.05**	± 0.6228	0.70924	**0.88**	± 0.4536	0.01994	**1.29**	± 0.6775	0.15521	AATTTTTATTGAAAATTGTAAAAGATAAAAATCCAATAACAAGGTACCCAG
plasmid_cp26	23421	BB_B28	**1.419**	± 0.4609	0.017404	**0.822**	± 0.35	0.02301	**0.729**	± 0.3239	0.03145	**0.905**	± 0.2608	0.51519	GTTCAAATTTATCTTATTACTTCACCGAAAAGCAATTATTAGAAGATTTTA
plasmid_cp26	23437	BB_B28	**1.548**	± 0.5847	0.006443	**1.192**	± 0.5191	0.07214	**0.673**	± 0.2252	0.26884	**1.089**	± 0.4978	0.44467	ATAAGATAAATTTGAACTAATAATAAAAAGAGTAAAAAAAGTTAAATAATA
plasmid_cp26	23590	BB_B28	**1.057**	± 1.2391	0.942622	**0.2**	± 0.1689	0.05697	**1.738**	± 2.071	0.58317	**1.115**	± 0.9397	0.86685	TAGTGGATCAAATTTTGACATCAATTCCATTCTTATTGGTACTGGAAAATT
plasmid_cp26	23593	BB_B28	**1.836**	± 0.1537	0.010038	**1.09**	± 0.1576	0.41149	**0.903**	± 0.0965	0.21531	**1.179**	± 0.2528	0.34083	TACAGTGTTTAATGCTAGTTTTGAGAAATATGCTAAAAACATTGGAAAAAG
plasmid_cp26	23682	BB_B28	**1.035**	± 0.2028	0.738283	**0.634**	± 0.5475	0.44677	**0.899**	± 0.3433	0.51256	**1.381**	± 0.2747	0.13716	GGACAACAAATTCAGAAATTAAAGAAAAACTAGAACAAATAAAAGAAAATA
plasmid_cp26	23733	BB_B28	**0.968**	± 0.1723	0.79112	**0.585**	± 0.5194	0.32992	**0.851**	± 0.0716	0.02147	**1.131**	± 0.1568	0.17992	ATATTTTCTTTTATTTGTTCTAGTTTTTCTTTAATTTCTGAATTTGTTGTC
plasmid_cp26	23755	BB_B28	**0.998**	± 0.821	0.995802	**0.493**	± 0.6777	0.56724	**1.116**	± 0.9602	0.72811	**1.631**	± 1.6922	0.09124	TAAATTACCTATTCTAAATGGAGAAAATACAGAAATAAGTATTGATGAGAA
plasmid_cp26	23793	BB_B28	**1.787**	± 0.5514	0.035659	**1.07**	± 0.4341	0.47897	**0.84**	± 0.2587	0.1863	**1.202**	± 0.4916	0.36913	CTTATTTCTGTATTTTCTCCATTTAGAATAGGTAATTTATATTTATTATAA
plasmid_cp26	23913	BB_B28	**1.877**	± 0.5852	0.074192	**1.137**	± 0.2976	0.27988	**0.82**	± 0.1249	0.12021	**1.182**	± 0.1405	0.11568	AAGTTAGATTTGATCTAATCCCAGAAAATAAAAACATAAACTTCAAAGAAC
plasmid_cp26	23977	BB_B28	**1.247**	± 0.1066	0.038809	**0.84**	± 0.0553	0.02344	**0.633**	± 0.2571	0.12635	**0.704**	± 0.2808	0.23817	GTAAACGTTTATTAGTTCTTTGAAGTTTATGTTTTTATTTTCTGGGATTAG
plasmid_cp26	24046	BB_B28	**1.883**	± 1.3899	0.165126	**0.535**	± 0.3921	0.16719	**1.126**	± 1.0139	0.81382	**0.938**	± 0.8866	0.71961	ATAAGGGCTCATGTCTATATTATTTTTATAATATTCTATGGGAGTGATAAT
plasmid_cp26	24116	BB_B28	**1.861**	± 0.7812	0.198887	**1.494**	± 0.763	0.07181	**1.127**	± 0.5238	0.38679	**0.87**	± 0.3447	0.50363	TACATTGAGAAAAAAAAAGCAACTACAAAATTTAACTGAAAATGATAAACTT
plasmid_cp26	24216	BB_B28	**1.517**	± 1.1336	0.436246	**0.58**	± 0.4947	0.48843	**0.332**	± 0.2864	0.17134	**0.632**	± 0.5212	0.53181	TTTAGTGAAAAAATATTATTATTTTTTAATAAAAATTCTTTAAAATCATCA
plasmid_cp26	24266	BB_B28	**1.849**	± 1.0489	0.151922	**0.883**	± 0.4721	0.78476	**0.756**	± 0.5613	0.6761	**1.158**	± 0.6337	0.5187	AAAGCAAAAAGTATTATAAATTATTTAATAACAAAAGAATTTAATATTAAT
plasmid_cp26	24608	IG 127	**0.838**	± 0.7094	0.592613	**0.923**	± 0.9141	0.8209	**1.535**	± 0.9492	0.4984	**1.401**	± 1.0116	0.41975	TAAGCAATGCTTTATAACAAATGCCATGAAATTAAAGGGAAAAACAATCTT
plasmid_cp26	24850	BB_B29	**0.094**	± 0.1173	0.03747	**0.327**	± 0.3856	0.12484	**1.796**	± 1.3016	0.21371	**0.336**	± 0.4504	0.10139	GATATAGATGCTGATGATGTTGACATAATTTTCCCCTTTTTATTAAGTGCA
plasmid_cp26	25022	BB_B29	**0.109**	± 0.1358	0.167427	**0.303**	± 0.4026	0.25666	**2.47**	± 2.1534	0.13268	**0.139**	± 0.2034	0.16892	AAGTATTGAGTTAGCAACAGTTCCTTTTCCAAGGACTTCTTCTAATCCATA
plasmid_cp26	25102	BB_B29	**0.142**	± 0.0685	0.010599	**0.349**	± 0.1941	0.01444	**2.494**	± 0.9087	0.08454	**0.246**	± 0.0681	0.00715	GCAAGTCCGATTGGAATTGCCGCTGCAAACATTAAGGGCAGATTAGCAAAA
plasmid_cp26	25170	BB_B29	**0.168**	± 0.2756	0.229554	**0.924**	± 1.686	0.72611	**2.485**	± 3.691	0.23778	**0.169**	± 0.291	0.22329	AATGGGATTTTGTACATACAAGGAATCACACCAGAAAGCGCAAGCTTAAAA
plasmid_cp26	25233	BB_B29	**0.066**	± 0.0651	0.058903	**0.275**	± 0.3517	0.01269	**3.125**	± 1.9325	0.044	**0.09**	± 0.0553	0.06758	ATTCCAATAGTGCTTTTAAGCTTGCGCTTTCTGGTGTGATTCCTTGTATGT
plasmid_cp26	25452	BB_B29	**0.138**	± 0.0809	0.010892	**0.441**	± 0.5891	0.12083	**2.442**	± 1.5172	0.17766	**0.161**	± 0.0448	0.02048	CCACAAACATTGCCATTGTAGTTACAATTGGCACAAATCTTGTGCCCCCAA
plasmid_cp26	25464	BB_B29	**0.002**	± 0.004	0.093547	**0.028**	± 0.0507	0.09195	**0.195**	± 0.2032	0.07433	**0**	± 0	0.09374	AAAATATTCCTACCACAAACATTGCCATTGTAGTTACAATTGGCACAAATC
plasmid_cp26	25710	BB_B29	**0.169**	± 0.1767	0.118183	**0.37**	± 0.3309	0.16111	**8.593**	± 7.1636	0.08328	**0.088**	± 0.1076	0.11143	CAGTATTGGGATCTGCAAGTTGTTTGAAAAATATATTTTGTGCTCCTGAGA
plasmid_cp26	25713	BB_B29	**0.058**	± 0.0707	0.13663	**0.291**	± 0.3996	0.089	**3.187**	± 2.9396	0.07109	**0.091**	± 0.0817	0.14797	CACTTTGAAGTTGCAAAAGGAACAAGATTTTTTAGCGGGGAATTTGTTGTT
plasmid_cp26	25928	BB_B29	**0.053**	± 0.039	0.102985	**0.272**	± 0.3451	0.26042	**1.763**	± 1.1553	0.26948	**0.166**	± 0.125	0.13631	AAGTGCTGGTGCTGCAAAAAGGAATGCAAATTCAAGAGGCTCTGTAATTCC
plasmid_cp26	25931	BB_B29	**0.104**	± 0.0577	0.02486	**0.386**	± 0.3862	0.03066	**2.64**	± 1.0173	0.02771	**0.145**	± 0.0943	0.01584	ATAAAGTGCTGGTGCTGCAAAAAGGAATGCAAATTCAAGAGGCTCTGTAAT
plasmid_cp26	25940	BB_B29	**0.121**	± 0.1943	0.136654	**0.445**	± 0.4386	0.43409	**2.497**	± 2.4325	0.14073	**0.082**	± 0.0981	0.20552	TATAAAGTAATAAAGTGCTGGTGCTGCAAAAAGGAATGCAAATTCAAGAGG
plasmid_cp26	25943	BB_B29	**0.108**	± 0.1242	0.091359	**0.718**	± 1.032	0.27705	**3.017**	± 2.1193	0.02018	**0.217**	± 0.168	0.1136	TGTTCCTCTTTTTGGACTAGCATATCTTTTAACACACCTTTTAAACGTAGG
plasmid_cp26	25959	BB_B29	**0.274**	± 0.4673	0.149827	**0.306**	± 0.5301	0.14589	**1.148**	± 0.9207	0.79091	**0.057**	± 0.059	0.00163	GTCCAAAAAGAGGAACATATATAAAGTAATAAAGTGCTGGTGCTGCAAAAA
plasmid_cp26	25992	BB_B29	**0.008**	± 0.0137	0.079907	**0.179**	± 0.3243	0.11659	**3.288**	± 3.3998	0.2404	**0.099**	± 0.1691	0.0894	GGAGTTGGACTAACATTTTCTGGCGGATTTATAGATATGTTCCTATTTGGA
plasmid_cp26	26025	BB_B29	**0.065**	± 0.0906	0.172219	**0.525**	± 0.8814	0.00873	**2.104**	± 2.4275	0.14793	**0.145**	± 0.1758	0.18493	GATATGTTCCTATTTGGAATACTTCAGGGAAATAGCAAAACAAATTGGATA
plasmid_cp26	26026	BB_B29	**0.047**	± 0.0438	0.10615	**0.364**	± 0.472	0.30276	**2.629**	± 1.8578	0.17115	**0.136**	± 0.1295	0.11	TCTATAAATCCGCCAGAAAATGTTAGTCCAACTCCTACGTTTAAAAGGTGT
plasmid_cp26	26099	BB_B29	**0.000**	± 0	0.0302	**1.391**	± 1.5674	0.66566	**5.269**	± 3.3401	0.10539	**0.267**	± 0.3341	0.10914	GAAGATTCCCAAGATAGGAATTGCTATCCAATTTGTTTTGCTATTTCCCTG
plasmid_cp26	26464	IG 128	**0.389**	± 0.5822	0.476658	**0.055**	± 0.0834	0.15428	**1.012**	± 1.6049	0.98387	**0.432**	± 0.4941	0.38868	TTTTAAAAATTTTACATAAGCTTGTCGATTTCCATTTTTATATTATCGGAC
plasmid_cp32-1	96	BB_P01	**2.280**	± 1.0036	0.047613	**1.536**	± 1.2742	0.4247	**1.016**	± 0.3476	0.79076	**1.071**	± 0.4785	0.49702	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-1	274	BB_P01	**1.030**	± 0.8162	0.919729	**0.826**	± 0.9591	0.83058	**1.591**	± 1.3985	0.54105	**0.87**	± 0.8061	0.76931	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-1	279	BB_P01	**1.713**	± 0.5685	0.105948	**1.629**	± 1.2968	0.44654	**0.82**	± 0.2575	0.11005	**1.103**	± 0.3494	0.50466	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-1	333	BB_P01	**2.978**	± 1.5031	0.082068	**1.151**	± 1.045	0.83713	**0.592**	± 0.5186	0.51499	**0.71**	± 0.601	0.6271	ATAGATCTCGAACAACCCGTTAATATAGAATTACCTATTGGTTTTGAATAC
plasmid_cp32-1	395	BB_P01	**1.782**	± 0.2913	0.004012	**1.406**	± 0.7207	0.41429	**1.071**	± 0.1627	0.17033	**0.959**	± 0.1696	0.60805	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG

plasmid_cp32-1	398	BB_P01	**1.526**	± 0.4147	0.05796	**1.313**	± 0.6857	0.44545	**0.596**	± 0.2163	0.00216	**0.818**	± 0.1893	0.23134	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-1	399	BB_P01	**1.238**	± 0.359	0.408874	**0.585**	± 0.4386	0.16135	**1.091**	± 0.2928	0.66889	**1.177**	± 0.3496	0.48854	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-1	444	BB_P01	**1.517**	± 1	0.523457	**1.365**	± 0.3748	0.22168	**1.09**	± 0.5114	0.82492	**0.775**	± 0.2457	0.39059	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-1	478	BB_P01	**1.495**	± 1.2194	0.417015	**0.999**	± 0.9196	0.99941	**0.597**	± 0.357	0.31678	**1.219**	± 0.5412	0.48404	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-1	490	BB_P01	**2.403**	± 0.8146	0.104048	**1.647**	± 2.3284	0.68214	**0.366**	± 0.3279	0.11693	**1.106**	± 0.6609	0.84142	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-1	504	BB_P01	**0.445**	± 0.3457	0.188967	**0.277**	± 0.2506	0.12525	**0.716**	± 0.5081	0.44098	**0.412**	± 0.4138	0.33019	TGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTTAT
plasmid_cp32-1	506	BB_P01	**3.577**	± 2.4429	0.016664	**2.251**	± 2.7763	0.36116	**1.056**	± 0.6522	0.90794	**1.314**	± 1.0436	0.01826	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-1	507	BB_P01	**1.659**	± 1.3457	0.229008	**1.33**	± 1.2077	0.24226	**1.215**	± 0.9585	0.54762	**1.36**	± 1.2115	0.46203	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-1	521	BB_P01	**2.113**	± 0.8427	0.048969	**1.214**	± 0.6985	0.71823	**1.001**	± 0.4037	0.99531	**1.196**	± 0.5158	0.53981	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-1	524	BB_P01	**1.957**	± 0.5097	0.027066	**1.041**	± 0.7545	0.92281	**1.14**	± 0.2148	0.31921	**1.548**	± 1.0529	0.44309	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-1	526	BB_P01	**1.058**	± 0.7696	0.764083	**0.096**	± 0.1041	0.16641	**0.743**	± 1.2024	0.43473	**1.626**	± 1.5848	0.30218	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT
plasmid_cp32-1	578	BB_P01	**2.146**	± 1.4406	0.186939	**2.394**	± 2.1106	0.29176	**0.86**	± 0.4398	0.60232	**1.4**	± 0.6696	0.28969	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-1	744	BB_P01	**1.860**	± 0.7445	0.168438	**1.979**	± 1.5429	0.37461	**0.979**	± 0.1539	0.86885	**1.054**	± 0.1305	0.2138	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-1	1039	BB_P01	**1.097**	± 0.6946	0.793925	**1.092**	± 0.6683	0.85886	**0.319**	± 0.2202	0.16236	**0.389**	± 0.4203	0.24513	TCACCTTTACCATCATTTCCTAGTCCTTTAGCCTGCTCATTAAAACTTCTG
plasmid_cp32-1	1042	BB_P01	**3.679**	± 2.2079	0.038148	**2.525**	± 3.6892	0.45691	**1.072**	± 0.5944	0.82227	**0.932**	± 0.6191	0.88805	GGAGTAATTATTACGATTTTCTCAAAGGTGTACAAGAACAAGTTGAGAACT
plasmid_cp32-1	1214	BB_P01	**1.808**	± 1.3941	0.116166	**1.998**	± 2.5137	0.33369	**1.166**	± 1.171	0.18317	**1.065**	± 1.1122	0.75102	TAACCAGCTTATACAAAGTAGCTCATTTAATAATGAGGAGCTAGCGATGTT
plasmid_cp32-1	1626	BB_P02	**2.309**	± 1.5952	0.304761	**1.039**	± 0.687	0.89964	**0.613**	± 0.2268	0.24071	**0.868**	± 1.2903	0.89712	TCCTTTTGCAAGTAGCACCTCTTTGTTAAAATGATTGCTAAGATGTGCTTT
plasmid_cp32-1	1631	BB_P02	**0.998**	± 1.2008	0.999189	**0.997**	± 1.0413	0.99174	**1.029**	± 0.9905	0.91786	**1.047**	± 0.9052	0.48162	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_cp32-1	1747	BB_P02	**1.257**	± 0.5877	0.292939	**0.296**	± 0.2226	0.10262	**0.843**	± 0.683	0.61	**1.059**	± 0.5219	0.78167	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_cp32-1	1928	BB_P02	**1.344**	± 0.6553	0.46496	**1.296**	± 0.2656	0.17421	**0.752**	± 0.3421	0.38505	**0.657**	± 0.4883	0.43764	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-1	1931	BB_P02	**2.538**	± 1.7838	0.060833	**1.621**	± 1.4582	0.22343	**1.428**	± 0.8359	0.13292	**1.06**	± 0.6865	0.68722	CATACAAGCAAAGACGAATTCAATTTTATGAAAATCTAAAAAGACATAAAA
plasmid_cp32-1	2216	BB_P03	**1.713**	± 0.9633	0.28183	**1.165**	± 0.8508	0.77659	**0.843**	± 0.5357	0.61491	**0.857**	± 0.499	0.48262	TACGGATACCCTTTAGCAGGGTAATTCTCTATTTTGTCTTTACTGCTAGTG
plasmid_cp32-1	2231	BB_P03	**1.700**	± 1.2548	0.307871	**1.886**	± 1.2005	0.20887	**1.427**	± 0.9376	0.42509	**1.373**	± 0.4671	0.29505	AGCTTAGTTTTGGAGATGGAACAACCGAACTAGAAGTTGAGGCTGGTGGTG
plasmid_cp32-1	2341	BB_P03	**1.972**	± 0.8316	0.1902	**1.41**	± 0.8776	0.51964	**0.94**	± 0.4884	0.85649	**0.913**	± 0.2061	0.53406	TAACAGTTGCCATACCGCTAAACTCATCTATATCGGAACACACTCCATATA
plasmid_cp32-1	2698	BB_P04	**0.365**	± 0.3425	0.27761	**0.316**	± 0.5496	0.3361	**0.635**	± 0.375	0.12358	**0.418**	± 0.4649	0.09502	CGTCCTCAGCTTGTCTTGCTTGCCGTTTAGCTCTAGGAGCAGCGGAAACTT
plasmid_cp32-1	2993	BB_P04	**0.982**	± 0.6553	0.935165	**0.734**	± 0.6667	0.70331	**1.227**	± 0.8127	0.31245	**1.336**	± 1.0152	0.04237	TCAGTATCAGCTCCAACTTCAACATATATAGAGTTCTCTTTTGGAACAAGT
plasmid_cp32-1	3004	BB_P04	**2.468**	± 1.4539	0.109376	**1.374**	± 1.4693	0.64434	**0.746**	± 0.447	0.14365	**1.026**	± 0.7426	0.96198	TCCCATACATATCAGTATCAGCTCCAACTTCAACATATATAGAGTTCTCTT
plasmid_cp32-1	3124	BB_P04	**0.062**	± 0.0884	0.158757	**0.308**	± 0.5173	0.14059	**1.414**	± 1.4419	0.57193	**0.241**	± 0.2909	0.16205	AATAATAACGGTGTTATTATCAAGGCCGGAGGTGGGCCACCAACCGCAATT
plasmid_cp32-1	3203	BB_P04	**1.863**	± 0.7859	0.042691	**1.757**	± 1.2708	0.28274	**1.002**	± 0.4646	0.9856	**1.435**	± 0.47	0.07818	CAATCAATTTTGCACCCGAAGATGGAAATCAAGATCAAAATAGATATCCTA
plasmid_cp32-1	3249	BB_P04	**0.132**	± 0.2143	0.191155	**0.342**	± 0.5405	0.33251	**0.179**	± 0.1905	0.20708	**0.411**	± 0.5974	0.41779	TCCTAGGCAAGAGTATTCTATTAATTTGATAAAAGTTGCAATTTTTGGAAA
plasmid_cp32-1	3376	BB_P05	**3.449**	± 2.3648	0.054092	**2.037**	± 1.7995	0.19953	**1.146**	± 0.861	0.42411	**1.138**	± 0.8326	0.51796	TCTCCCATTTATTTACCTCCTTTTATTCGCCCAAAGTTTAACCACCATCAG
plasmid_cp32-1	3393	BB_P05	**2.624**	± 2.4954	0.358798	**2.291**	± 2.6999	0.35442	**1.689**	± 0.9845	0.11162	**1.741**	± 1.2449	0.38865	AAAGAGTATCAAGAGAAAAGAAGTAAACTGGAAAAGTTTATGAAAAATCCC
plasmid_cp32-1	3668	BB_P05	**1.996**	± 1.9308	0.358105	**1.772**	± 2.3338	0.52477	**0.737**	± 0.4721	0.59403	**1.275**	± 0.8162	0.66196	TGGAATATGCATTGACATAGATGAGTTTAGTAAAACAGCTACTATTGTGCC
plasmid_cp32-1	3694	BB_P05	**2.062**	± 0.6931	0.105575	**2.249**	± 1.9007	0.35902	**1.052**	± 0.3335	0.66848	**1.457**	± 0.6698	0.13253	AACTCATCTATGTCAATGCATATTCCATATAAGTCTTCACCTCCACCAGCC
plasmid_cp32-1	3727	BB_P05	**2.266**	± 1.2985	0.210641	**1.586**	± 1.3554	0.58415	**1.2**	± 0.9847	0.8075	**1.192**	± 0.5802	0.43585	TTGGTAATTGGCACAATAGTAGCTGTTTTACTAAACTCATCTATGTCAATG
plasmid_cp32-1	3796	BB_P05	**1.586**	± 0.9333	0.144643	**1.804**	± 1.4676	0.14477	**0.944**	± 0.6347	0.82814	**1.387**	± 1.0446	0.23281	AAGACGGTGCTCTTGAAAAGGTGACTGGAGCACCAAATAAAGCAACTATTA
plasmid_cp32-1	4067	BB_P06	**1.604**	± 0.7149	0.20649	**0.901**	± 0.2527	0.31777	**0.784**	± 0.1548	0.20858	**0.894**	± 0.139	0.42489	AGATGTTGATCTACAAATGGGATATCAAAAAACCGTAAAATGGGACGCGTT
plasmid_cp32-1	4222	BB_P06	**2.510**	± 1.3467	0.127714	**2.37**	± 2.1543	0.34611	**0.83**	± 0.4248	0.31537	**1.09**	± 0.5759	0.60426	AATTCAGACATTTAAAGCAGACTTCTGAGAAATTTTATACTTCAGATTCAT
plasmid_cp32-1	4489	BB_P06	**2.184**	± 1.7254	0.213156	**1.841**	± 2.3711	0.51663	**0.734**	± 0.5448	0.1453	**1.088**	± 0.528	0.57479	AAATGGATAAAATCTTTGAAAAGATTGAGGCTGGACTTTCAAAGTTAGAAC
plasmid_cp32-1	4678	BB_P06	**1.973**	± 1.4602	0.178762	**0.348**	± 0.2792	0.19596	**0.35**	± 0.2098	0.10774	**0.833**	± 0.6643	0.0713	AGGCTATTAATAATAGAGAAGATGTTTACATTGAAACTTCAAACTTGCTGA
plasmid_cp32-1	4789	BB_P06	**2.161**	± 0.8913	0.126112	**1.268**	± 0.7014	0.61265	**0.915**	± 0.3866	0.81054	**0.985**	± 0.3889	0.92663	TACTTGCTAGGTTTAAATTTAATAAGTTCAGAATTTAGTGGATAAATGAGT
plasmid_cp32-1	5093	BB_P07	**1.440**	± 0.3179	0.163951	**1.375**	± 1.6638	0.74041	**0.898**	± 0.5507	0.79338	**0.869**	± 0.3613	0.6106	GCTTGAAGTAAGGATAAATGAAGTAGAAAATTTTGCCTGCTTAGTGCAAAT
plasmid_cp32-1	5259	BB_P07	**1.370**	± 0.9894	0.603427	**1.806**	± 1.5328	0.33807	**0.698**	± 0.3871	0.45124	**0.952**	± 0.6738	0.94017	TTATCCTAGTAGCAGTGGAGGCGAAGAAGGCGGCGAGGGGAGTTGTGGCTC
plasmid_cp32-1	5566	BB_P08	**1.647**	± 0.6918	0.085502	**1.634**	± 1.642	0.50049	**0.798**	± 0.2566	0.16205	**1.095**	± 0.5414	0.60156	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_cp32-1	5633	BB_P08	**0.430**	± 0.198	0.118765	**0.424**	± 0.3851	0.22071	**1.184**	± 0.4085	0.05578	**1.043**	± 0.3976	0.51287	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACCAAAAGACCGAAT
plasmid_cp32-1	5648	BB_P08	**3.692**	± 2.2784	0.105271	**0.762**	± 0.5292	0.30066	**1.065**	± 0.5731	0.72684	**1.192**	± 0.7544	0.71266	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG
plasmid_cp32-1	5917	BB_P09	**2.650**	± 0.8984	0.044053	**1.404**	± 0.7464	0.4008	**0.98**	± 0.2619	0.83855	**1.106**	± 0.2647	0.47206	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGG
plasmid_cp32-1	5928	BB_P09	**2.463**	± 2.0326	0.199416	**1.986**	± 2.115	0.37913	**1.084**	± 0.6761	0.69229	**2.174**	± 1.4272	0.18354	GCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGGAATGGAGGCTA
plasmid_cp32-1	6014	BB_P09	**2.603**	± 1.2648	0.062078	**1.668**	± 1.1689	0.27608	**0.994**	± 0.3353	0.94769	**1.291**	± 0.5233	0.15445	GATAATTTTCATAGTATCTTATAAAAGCTTGTCCAATAGCCTCCATTCCCG

plasmid_cp32-1	6081	BB_P09	**2.515**	± 1.4508	0.016206	**0.915**	± 0.7981	0.45571	**1.44**	± 1.288	0.33882	**0.997**	± 0.6447	0.99599	CTACCCCTTTTAAACTTACTTTTGATTGTATTAGCCTTTAAGGCTGGAGTG
plasmid_cp32-1	6139	BB_P09	**2.087**	± 1.5695	0.327364	**1.369**	± 1.325	0.68081	**0.535**	± 0.2103	0.14009	**0.889**	± 0.3042	0.65134	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_cp32-1	6178	BB_P10	**1.083**	± 0.4458	0.27756	**0.466**	± 0.4127	0.29266	**0.935**	± 0.4764	0.01299	**1.051**	± 0.4689	0.41061	TTAAATCATTTAACCCAAATATTTAAAGGGTTTAAGGCATATGCAACTGAA
plasmid_cp32-1	6254	BB_P10	**1.632**	± 1.9814	0.602998	**2.779**	± 1.2174	0.09858	**1.398**	± 1.3653	0.70509	**2.12**	± 1.0328	0.20236	TTTATGATATCGCACTCAAAATTATTTTCAGTTGCATATGCCTTAAACCCT
plasmid_cp32-1	6307	BB_P10	**1.995**	± 0.4346	0.052843	**1.082**	± 0.2716	0.73325	**0.83**	± 0.2523	0.45457	**0.896**	± 0.1523	0.39828	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_cp32-1	6372	BB_P10	**2.139**	± 1.1599	0.028682	**2.051**	± 2.2611	0.33754	**0.911**	± 0.4955	0.82278	**1.079**	± 0.7299	0.86757	TGAAAATGCTTTGGAATTTAGTATAAATTTTCAAATATATATTATTGCAAT
plasmid_cp32-1	6473	BB_P10	**1.987**	± 1.8735	0.199636	**3.072**	± 2.8304	0.17004	**0.629**	± 0.76	0.60546	**0.77**	± 0.9973	0.78462	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_cp32-1	6496	BB_P10	**0.673**	± 0.6114	0.211213	**0.584**	± 0.519	0.07215	**0.81**	± 0.2842	0.14598	**0.99**	± 0.4843	0.8866	CACAATAAAGCTCATAAGTATAATTTGCCCAGTCTACAACCCGACTATATT
plasmid_cp32-1	6545	BB_P10	**2.010**	± 1.521	0.113415	**1.827**	± 1.6912	0.26351	**0.867**	± 0.5061	0.45505	**1.13**	± 0.5852	0.5771	TTAATAAAATTAACTTCTACATTTACCCAACATCTAATATGCAAACAGTTG
plasmid_cp32-1	6822	BB_P11	**1.084**	± 0.904	0.767608	**0.473**	± 0.6666	0.40355	**1.099**	± 0.672	0.6834	**1.658**	± 1.3566	0.28671	GCAGCATCTTTATTAACTTTGATTTTAGCTGTTTTGTAAACCAAAAGTGGA
plasmid_cp32-1	7364	BB_P11	**2.696**	± 1.3097	0.102444	**2.117**	± 1.8298	0.34674	**1.133**	± 0.3929	0.33217	**1.24**	± 0.3206	0.38759	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_cp32-1	7728	BB_P11	**1.997**	± 0.7451	0.060887	**2.039**	± 1.2502	0.3132	**1.138**	± 0.4469	0.61787	**1.066**	± 0.5098	0.09655	ATATTCACGCTAAGTTCTAATTTAAGTTGTGGCGTAGGAGAAAGAGTAAGC
plasmid_cp32-1	7737	BB_P11	**1.183**	± 1.7267	0.848713	**0.087**	± 0.1334	0.10869	**1.003**	± 0.6485	0.98769	**1.286**	± 1.0174	0.6462	ACTTTAGCATTAATGCTGTTGCTTTAGTAATTACTACTCAAGATATAGTTG
plasmid_cp32-1	7969	BB_P12	**1.987**	± 0.9769	0.113446	**1.946**	± 1.9107	0.41032	**1.044**	± 0.4739	0.83203	**1.044**	± 0.4757	0.59676	AGAGATCCCAAAACAATAACTTATGTTTTCAACATTGAAGTGACACTAGGT
plasmid_cp32-1	8141	BB_P12	**2.974**	± 1.415	0.035931	**1.798**	± 2.0554	0.48686	**1.382**	± 0.7197	0.45906	**1.207**	± 0.5296	0.06412	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-1	8219	BB_P12	**1.918**	± 0.5309	0.082332	**1.872**	± 1.5724	0.42552	**0.964**	± 0.1453	0.70307	**0.975**	± 0.1416	0.58988	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-1	8270	IG 129	**1.862**	± 1.3967	0.365823	**0.565**	± 0.689	0.46488	**1.29**	± 0.9759	0.7043	**0.503**	± 0.1998	0.01766	ATAAGAATCTCCTTTTAAGAGTTGTTTGGTTTAGATTTTTGGCAATTAATA
plasmid_cp32-1	8434	BB_P13	**1.639**	± 0.6784	0.194323	**1.663**	± 1.5004	0.57593	**1.453**	± 0.9607	0.55662	**0.717**	± 0.5242	0.59632	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-1	8575	BB_P13	**2.753**	± 1.6251	0.215585	**1.143**	± 0.5681	0.72473	**1.49**	± 0.775	0.14878	**1.284**	± 0.4591	0.17542	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-1	8645	BB_P13	**2.134**	± 0.8313	0.057738	**1.314**	± 0.9261	0.52734	**1.077**	± 0.5972	0.76436	**1.416**	± 0.7364	0.41308	TTAATGAAAATTTTGATTATGAAAAAGTAGCCACTTCACTTTCATCAAGTA
plasmid_cp32-1	8746	BB_P14	**1.753**	± 0.5253	0.013163	**1.637**	± 1.09	0.25616	**1.23**	± 0.4612	0.47539	**1.082**	± 0.4026	0.17825	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-1	8839	BB_P14	**2.523**	± 1.4666	0.18437	**2.876**	± 2.6049	0.31792	**1.557**	± 1.8238	0.6365	**1.793**	± 2.1938	0.5816	ATTACTGGAAAATAGTATTTATCGTTCTTAATCTCGTCAAGCAAGTTAAAA
plasmid_cp32-1	8934	BB_P14	**1.378**	± 1.0249	0.634446	**0.819**	± 0.4208	0.50035	**0.77**	± 0.8764	0.49913	**0.656**	± 0.5387	0.502	TTGTATGAATTAATTTTAAGCAAGTGAGGACTTAGTGAGCGACAAATTCAC
plasmid_cp32-1	8965	IG 130	**2.511**	± 0.4907	0.011118	**1.524**	± 0.7571	0.27639	**1.189**	± 0.7259	0.71751	**1.121**	± 0.946	0.8533	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_cp32-1	8968	BB_P15	**2.253**	± 0.8345	0.064396	**1.708**	± 0.8499	0.26874	**1.228**	± 0.3112	0.29427	**1.085**	± 0.2914	0.63361	GTGAGCGACAAATTCACCATTAAATTTAAAGGTATTCTTGATCATGCTGCA
plasmid_cp32-1	9140	BB_P15	**2.330**	± 1.7174	0.314083	**1.777**	± 1.8487	0.53771	**0.374**	± 0.3038	0.08779	**0.743**	± 0.2628	0.36884	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-1	9665	BB_P15	**2.145**	± 0.7972	0.007991	**1.209**	± 0.9051	0.55894	**0.777**	± 0.2857	0.2857	**0.947**	± 0.4326	0.24265	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-1	9746	BB_P15	**2.447**	± 0.5224	0.036451	**1.765**	± 1.2539	0.3942	**1.257**	± 0.2943	0.27099	**1.198**	± 0.1273	0.12782	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-1	9784	BB_P15	**2.337**	± 0.5151	0.046286	**1.413**	± 0.9683	0.543	**0.83**	± 0.2426	0.39571	**1.029**	± 0.2863	0.8822	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-1	10121	BB_P15	**1.401**	± 0.615	0.031987	**1.316**	± 1.1215	0.48826	**0.769**	± 0.3678	0.1926	**0.791**	± 0.3832	0.14918	ATTATTTCTTTGCAAAATTAAAATCGATGCTACCTGGATGGATGGGCGGAG
plasmid_cp32-1	10650	BB_P16	**1.385**	± 0.9896	0.378165	**1.862**	± 1.5037	0.30603	**0.721**	± 0.5456	0.12637	**0.771**	± 0.7475	0.42942	TGTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_cp32-1	10687	BB_P16	**0.862**	± 0.9027	0.220699	**0.871**	± 0.9717	0.68632	**0.425**	± 0.3321	0.12877	**1.872**	± 1.8742	0.32719	TAAGGATATGATTTCTTTACTCAAAATGACTGTTTTTGGCAATACTATGCT
plasmid_cp32-1	10807	BB_P16	**1.167**	± 0.567	0.102866	**1.089**	± 0.8398	0.71292	**0.678**	± 0.4238	0.3969	**0.778**	± 0.4168	0.14254	TATACTAAAAGGGACTTGTGCTTGTATTCTATTGGCTAGTTGTTCTTTTAC
plasmid_cp32-1	10810	BB_P16	**2.534**	± 1.6303	0.01583	**0.899**	± 0.9424	0.89654	**0.706**	± 0.6719	0.67751	**0.52**	± 0.3407	0.37574	TAGTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTT
plasmid_cp32-1	10812	BB_P16	**1.985**	± 0.8386	0.12951	**1.898**	± 1.8161	0.45196	**1.217**	± 0.2512	0.05059	**1.145**	± 0.4073	0.5079	GTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTTTA
plasmid_cp32-1	10977	BB_P17	**1.676**	± 0.6061	0.119803	**1.412**	± 0.8889	0.33545	**0.914**	± 0.3504	0.79354	**1.319**	± 0.7848	0.3958	AAATTGAGTTCTACAATGTAGATACATCAAAAAAATCACCTGATGGAATTC
plasmid_cp32-1	10997	BB_P17	**1.801**	± 1.1973	0.060641	**1.565**	± 1.2436	0.21228	**0.817**	± 0.4595	0.32851	**1.097**	± 0.6453	0.35501	GATACATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-1	10998	BB_P17	**1.753**	± 1.0161	0.02245	**0.473**	± 0.3808	0.35425	**0.992**	± 0.5291	0.95829	**1.011**	± 0.5629	0.90696	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-1	11001	BB_P17	**1.946**	± 1.1146	0.312544	**1.14**	± 0.6645	0.76105	**0.73**	± 0.2329	0.13635	**0.677**	± 0.2256	0.08363	CATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-1	11204	BB_P17	**1.854**	± 1.5734	0.480651	**1.629**	± 1.9967	0.65523	**0.459**	± 0.2068	0.18324	**0.743**	± 0.6304	0.23501	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-1	11212	BB_P17	**2.343**	± 0.8261	0.079093	**1.604**	± 0.8255	0.27119	**1.01**	± 0.1943	0.92869	**1.271**	± 0.3301	0.19247	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG
plasmid_cp32-1	11533	BB_P17	**3.038**	± 1.4205	0.139058	**0.766**	± 0.3898	0.31377	**1.053**	± 0.2813	0.75583	**1.031**	± 0.2252	0.86518	TGTTCCTTTAATTTTGTCAATAAACTCTTTTGGTGTTGTGGCATAAATATC
plasmid_cp32-1	11536	BB_P17	**1.226**	± 0.3908	0.489249	**0.468**	± 0.1901	0.01303	**0.737**	± 0.2903	0.43083	**0.869**	± 0.2712	0.63371	TGTTCATAACGTAATAGCCGATATTGGTACTGGTTTACGGGGATATGAATG
plasmid_cp32-1	12122	BB_P18	**1.686**	± 0.6117	0.148762	**1.525**	± 1.5109	0.60672	**0.707**	± 0.2749	7.3E-05	**1.49**	± 0.6751	0.16079	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-1	12235	BB_P18	**3.331**	± 1.6935	0.033131	**3.17**	± 3.1113	0.31432	**2.219**	± 1.7557	0.37676	**1.102**	± 0.8006	0.66213	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_cp32-1	12236	BB_P18	**1.133**	± 0.4517	0.714109	**1.413**	± 0.7653	0.3378	**1.25**	± 0.5662	0.54405	**1.214**	± 0.8605	0.75559	AGTATATAAAAATGATGTTTGTCAAAGTGAATATCGTTATTTTTATCAAAA
plasmid_cp32-1	12239	BB_P18	**2.225**	± 0.7483	0.019877	**1.848**	± 1.2877	0.28887	**1.055**	± 0.2616	0.71401	**1.14**	± 0.3519	0.14139	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-1	12334	BB_P18	**1.352**	± 1.1318	0.579757	**1.187**	± 1.2406	0.76527	**0.694**	± 0.2607	0.20724	**1.761**	± 1.0878	0.4007	AAAAAAATTCTAGATAATATTGTTAGTGCTATCAATGGTATAAAAATTATA
plasmid_cp32-1	12535	BB_P19	**2.141**	± 1.3248	0.213033	**1.113**	± 0.8916	0.86995	**0.865**	± 0.5577	0.5993	**0.766**	± 0.5222	0.61365	TTAAATACCAATTCAAAATTATTGCCTAATCTTAAATCCATACTAGTAATT

plasmid_cp32-1	12735	BB_P19		**1.379**	± 1.7062	0.685502	**1.542**	± 1.8164	0.60576	**0.35**	± 0.2764	0.08564	**0.735**	± 0.5402	0.4742	AATCTAAGTTAAGCTCTTTAGATATTTCATGAAAATAATTTTTTACAGCGT
plasmid_cp32-1	12775	BB_P19		**3.200**	± 0.7598	0.005198	**1.41**	± 1.2499	0.5831	**0.895**	± 0.2907	0.00029	**1.005**	± 0.5261	0.98351	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-1	13065	BB_P20		**2.114**	± 1.5843	0.30625	**1.724**	± 1.4005	0.05423	**0.786**	± 0.6324	0.7251	**1.265**	± 0.9572	0.73019	TGTTCTTCAATAGCAGCCCAATAAGTACCACCAGGTTTCATTTTAGAAAAA
plasmid_cp32-1	13169	BB_P20		**1.769**	± 0.519	0.00812	**1.46**	± 0.8457	0.34196	**0.924**	± 0.5683	0.75775	**1.428**	± 0.5263	0.11859	TGTTGGCTTTACCAGCTGCACTTTTAATATTAGTGTACTCAATCCCATCAA
plasmid_cp32-1	13172	BB_P20		**1.069**	± 0.5944	0.609287	**0.528**	± 0.4605	0.04986	**1.031**	± 0.372	0.79742	**1.095**	± 0.3648	0.44169	TATCTAATTCTAAAGGAAACTTTACTAGACACTAGTAAATCTAATATTAAT
plasmid_cp32-1	13206	BB_P20		**1.407**	± 0.3439	0.019487	**1.049**	± 0.3295	0.49562	**0.9**	± 0.1685	0.35954	**1.075**	± 0.1942	0.48226	GTAAATCTAATATTAATAGTCCTGAATTTAAAGCAAAACTTTGGGAAACAT
plasmid_cp32-1	13256	BB_P20		**1.753**	± 0.7173	0.120739	**1.359**	± 1.5181	0.71537	**0.325**	± 0.1464	0.06141	**0.9**	± 0.6031	0.7237	ATGTTTCCCAAAGTTTTGCTTTAAATTCAGGACTATTAATATTAGATTTAC
plasmid_cp32-1	13408	BB_P20		**2.700**	± 1.7775	0.019042	**1.122**	± 1.1436	0.89742	**1.397**	± 1.3003	0.2868	**0.98**	± 0.6428	0.97133	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATGTAAACATATTTTCTTTT
plasmid_cp32-1	13467	BB_P20		**1.769**	± 0.5043	0.019421	**1.244**	± 0.4818	0.45717	**0.819**	± 0.2131	0.42511	**1.086**	± 0.2375	0.36771	TTTGAAATAATCCTAGAATAAATGTCCCTAATTTGAGAGTCTATGTTTAAG
plasmid_cp32-1	13533	BB_P20		**0.998**	± 0.7253	0.997754	**0.747**	± 0.8188	0.67449	**1.2**	± 0.3692	0.11808	**0.599**	± 0.5244	0.45399	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-1	13838	BB_P21		**2.444**	± 1.4436	0.051907	**1.492**	± 1.2947	0.35391	**0.812**	± 0.4126	0.39896	**0.876**	± 0.4179	0.62845	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-1	14088	BB_P21		**1.798**	± 1.2126	0.389322	**1.803**	± 1.79	0.5158	**0.984**	± 0.2955	0.94811	**1.142**	± 0.4153	0.63767	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_cp32-1	14186	BB_P21		**4.634**	± 3.6797	0.216867	**4.899**	± 6.1198	0.38128	**2.907**	± 2.7694	0.36595	**2.013**	± 0.55	0.09452	GTATTCAACTCACTTCCTAAGGGCTATGATCATTCAATTTATGCTTTTATT
plasmid_cp32-1	14224	BB_P21		**3.324**	± 0.8287	0.020712	**2.283**	± 1.4283	0.254	**1.591**	± 0.4604	0.18261	**1.367**	± 0.7347	0.41128	AATTGAATGATCATAGCCCTTAGGAAGTGAGTTGAATACTAAAGCCTTTTT
plasmid_cp32-1	14280	BB_P21		**1.624**	± 0.8428	0.004903	**0.349**	± 0.2715	0.23051	**0.82**	± 0.471	0.25913	**0.966**	± 0.5779	0.85582	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-1	14289	BB_P21		**1.725**	± 0.1379	0.003234	**1.217**	± 0.3554	0.45887	**0.957**	± 0.1164	0.54636	**1.19**	± 0.7453	0.70806	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-1	14420	BB_P22		**1.026**	± 0.63	0.94333	**0.512**	± 0.5634	0.49845	**1.031**	± 0.7695	0.91636	**1.094**	± 0.7575	0.64826	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA
plasmid_cp32-1	14448	BB_P22		**0.798**	± 0.9673	0.834103	**0.765**	± 0.9044	0.78436	**0.191**	± 0.3605	0.26701	**1.81**	± 2.3049	0.57832	CTGCTTGCAGCTCCATCATCAAGCAGTAAAAGATCAGTATCGTTAACGGTC
plasmid_cp32-1	14523	BB_P22		**1.939**	± 1.5231	0.098113	**1.395**	± 1.0791	0.0962	**0.611**	± 0.3863	0.44012	**1.037**	± 0.7023	0.91472	AAATAGTCTAATCCCTCTCCTTTAAATATTTTGTCTTTAGAAGCATCTAAA
plasmid_cp32-1	14616	BB_P22		**1.977**	± 1.12	0.082325	**1.659**	± 1.6024	0.4221	**0.901**	± 0.4625	0.27868	**1**	± 0.4777	0.98934	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_cp32-1	14676	BB_P22		**1.319**	± 1.0669	0.674024	**1.069**	± 1.4537	0.89286	**0.661**	± 0.6616	0.04754	**1.095**	± 0.715	0.42319	TCTGTAAGGCGTGATTTAATTTTACTAAAAAGGTTAGAAATATTAGTAGAA
plasmid_cp32-1	14684	BB_P22		**0.913**	± 0.7744	0.881823	**1.184**	± 1.0954	0.60553	**0.184**	± 0.1802	0.10169	**0.331**	± 0.3333	0.2735	TCATCAGCCACTTTATCTAGAAGTGATCATCTTTTGATAATGCCTTCATCA
plasmid_cp32-1	14736	BB_P22		**1.266**	± 1.2227	0.642582	**0.362**	± 0.1575	0.04787	**0.647**	± 0.3657	0.04773	**0.582**	± 0.2807	0.09291	TCTGATGAAGGCATTATCAAAAGATGATCACTTCTAGATAAAGTGGCTGAT
plasmid_cp32-1	14768	BB_P22		**1.770**	± 0.8487	0.101672	**0.978**	± 0.5465	0.95314	**1.217**	± 0.497	0.133	**0.909**	± 0.4392	0.60322	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-1	14872	BB_P22		**1.618**	± 0.3584	0.077503	**1.517**	± 0.7989	0.28561	**1.064**	± 0.22	0.55589	**0.993**	± 0.3207	0.97224	CAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATTCTCCCGT
plasmid_cp32-1	14961	BB_P22		**1.621**	± 0.7537	0.059734	**2.678**	± 1.1576	0.0353	**0.856**	± 0.6426	0.79487	**0.95**	± 0.4592	0.80003	TTATCATTGATTTTTACTTGAATTTCAATATCAAGATAAACGGGAGAATTA
plasmid_cp32-1	15050	BB_P22		**1.302**	± 0.4021	0.239637	**0.347**	± 0.2839	0.1748	**1.249**	± 0.7882	0.53703	**1.419**	± 0.7231	0.40495	TTCACCAGAATTCCCATTTATAAAGGATGGTATGTCCAAAAAAGAGCCTCC
plasmid_cp32-1	15067	BB_P22		**2.070**	± 0.7703	0.047751	**1.669**	± 1.485	0.48089	**0.829**	± 0.3619	0.09526	**0.993**	± 0.9156	0.99079	AATGGGAATTCTGGTGAATAGTCCGCGGGGGCCCGCAATTTCATAAACCCT
plasmid_cp32-1	15170	IG 131		**1.841**	± 1.3374	0.193233	**2.133**	± 2.155	0.34643	**0.941**	± 0.5745	0.83327	**1.123**	± 0.6402	0.28329	TATACCAAAATCATAATTTTTGCTAAAAAGTTTACAGTTTTAAAAGATCTG
plasmid_cp32-1	15178	IG 132		**2.825**	± 0.3301	0.010091	**1.786**	± 0.9755	0.29816	**1.035**	± 0.0852	0.45814	**1.238**	± 0.0852	0.01887	CGTATAAAAATAAAAAATTAAAATGAAGGATTAAAAAATGGATACTATTAA
plasmid_cp32-1	15335	BB_P23	*blyA*	**2.510**	± 1.1294	0.085639	**1.814**	± 0.81	0.1305	**0.942**	± 0.6553	0.85369	**0.755**	± 0.6473	0.43904	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-1	15353	BB_P23	*blyA*	**1.008**	± 0.378	0.937856	**0.448**	± 0.3659	0.28329	**0.921**	± 0.3508	0.44206	**0.97**	± 0.3907	0.64219	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-1	15356	BB_P23	*blyA*	**2.930**	± 2.0463	0.228939	**2.01**	± 1.5983	0.21641	**1.74**	± 0.8345	0.24332	**1.904**	± 1.0797	0.05868	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-1	15441	BB_P24	*blyB*	**1.935**	± 1.5754	0.315569	**2.95**	± 3.2666	0.42955	**0.767**	± 0.9571	0.69055	**0.564**	± 0.2363	0.19141	ATGTTGAGCTTGGACTTACGTCTTTATCAACCCTTATTGATATATTTTCTA
plasmid_cp32-1	15702	BB_P24	*blyB*	**2.095**	± 1.3045	0.033469	**2.086**	± 1.5543	0.1732	**1.123**	± 0.6496	0.27203	**0.891**	± 0.4764	0.80035	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-1	15744	BB_P24	*blyB*	**3.184**	± 2.3342	0.22788	**0.783**	± 0.252	0.12696	**0.98**	± 0.8864	0.96746	**0.729**	± 0.3342	0.32458	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_cp32-1	15787	BB_P25		**3.776**	± 1.9062	0.059775	**1.535**	± 0.8957	0.46922	**0.536**	± 0.2896	0.23211	**0.802**	± 0.7506	0.6833	AGTCCTAAACCAATAGTGTTATTTTGCATTATTTGTTCTTTCCTTATAGAT
plasmid_cp32-1	15808	BB_P25		**0.945**	± 0.8631	0.850707	**0.942**	± 0.7849	0.80904	**0.67**	± 0.3484	0.21358	**0.41**	± 0.2065	0.19564	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-1	15892	BB_P25		**1.895**	± 1.5809	0.133048	**1.713**	± 1.9123	0.38103	**0.78**	± 0.5158	0.39891	**1.118**	± 0.8208	0.2114	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_cp32-1	15894	BB_P25		**1.970**	± 0.8624	0.047465	**1.477**	± 0.8688	0.19569	**0.805**	± 0.3187	0.24995	**1.6**	± 0.8817	0.13344	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-1	15895	BB_P25		**2.617**	± 1.1461	0.106931	**1.382**	± 0.8688	0.49623	**0.591**	± 0.2011	0.1982	**1.38**	± 0.6905	0.51131	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-1	15897	BB_P25		**2.083**	± 0.9746	0.076969	**1.752**	± 1.4796	0.37395	**1.099**	± 0.4798	0.52659	**1.08**	± 0.4032	0.39172	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-1	15998	BB_P25		**2.113**	± 1.2083	0.275877	**0.9**	± 0.6376	0.83887	**0.929**	± 0.643	0.886	**0.68**	± 0.2253	0.23549	TGACAAAAATAAAAAAATTATCACTTCACTTAAAGCAAAACGCAACAAAAT
plasmid_cp32-1	16139	BB_P26		**2.044**	± 3.2411	0.553482	**2.937**	± 2.8593	0.17508	**1.058**	± 1.1357	0.94761	**1.236**	± 1.555	0.65562	GTGGTGCAACATAACAACAAAACAATTAGTAAACAATGCAATCTTTTAAGC
plasmid_cp32-1	16336	BB_P26		**2.114**	± 1.2094	0.257426	**2.232**	± 1.0092	0.14783	**0.882**	± 0.5516	0.65102	**0.993**	± 0.28	0.97301	TAGAGTGTTCGTCTTTTAGTGTTGATAAGTCTGGATAAGGATATTCTGGAT
plasmid_cp32-1	16413	BB_P26		**1.801**	± 1.0366	0.204671	**0.107**	± 0.1518	0.04537	**0.435**	± 0.4203	0.27739	**0.188**	± 0.217	0.03959	TCATCAATATTCGAAGTTAAAAATGTAAATTACAAAAAGGTTTTTCTTGCA
plasmid_cp32-1	16574	IG 133		**0.577**	± 0.4636	0.000567	**0.609**	± 0.5991	0.04735	**1.068**	± 0.6882	0.50961	**1.026**	± 0.6421	0.64361	CTAATTAATTAGTGCCCTCTTCGAGGAACTTTATTACTTTGTCTATCTGTT
plasmid_cp32-1	16718	BB_P27	*revA*	**2.005**	± 0.9638	0.104652	**1.409**	± 1.1067	0.39435	**0.87**	± 0.511	0.70852	**0.763**	± 0.3711	0.53023	TTTTTCTTTTTGAAATATCCTGATCCTTGTCAGTAATGTTTTCAATGGTAT
plasmid_cp32-1	16753	BB_P27	*revA*	**1.339**	± 0.8183	0.609845	**1.168**	± 0.6101	0.37558	**0.827**	± 0.2808	0.3793	**0.919**	± 0.3542	0.8133	ATGTTTTCAATGGTATTTTTAGCTGCTTTTAACGCTGCTAATTTGGCCGCT

plasmid_cp32-1	17274	BB_P28	*mlpA*	**1.748**	± 1.66	0.475018	**1.257**	± 0.7745	0.21238	**0.656**	± 0.3232	0.32174	**1.476**	± 0.9515	0.51259	GTAGTAGTAAAAATAAACAAAATAATATGTTGATGATTTTCATTGTTATTT
plasmid_cp32-1	17768	BB_P29		**2.487**	± 2.4944	0.264042	**3.319**	± 3.8162	0.23765	**1.227**	± 1.2013	0.70765	**1.302**	± 1.2918	0.72476	TTCTTTAGTATCTTAAAAGAATACGAACGGTTTGATGAGATATTTGCAGCA
plasmid_cp32-1	17845	BB_P29		**3.217**	± 2.828	0.160907	**2.26**	± 2.6481	0.35815	**1.253**	± 0.9142	0.114	**1.402**	± 0.9368	0.07038	TTATTTTTCTTGAAATAGTTTTTTATAATCTCGGCCCAATAGTTTATGCTT
plasmid_cp32-1	17953	BB_P29		**2.064**	± 0.6303	0.069977	**2.475**	± 1.3153	0.15213	**1.115**	± 0.4791	0.66843	**1.025**	± 0.5165	0.81315	TCATCAAAATTATTGGGGTCTATATTCTGAATAAAGCTTATTTTTTGAATA
plasmid_cp32-1	17975	BB_P29		**1.885**	± 0.8471	0.058079	**2.048**	± 1.1499	0.07844	**0.724**	± 0.2851	0.20731	**1.136**	± 0.5368	0.16534	TATTCTGAATAAAGCTTATTTTTTGAATAATTGAGTTTATATTATCTTTTG
plasmid_cp32-1	18013	BB_P29		**2.432**	± 0.6852	0.07397	**2.457**	± 2.7149	0.46451	**1.395**	± 0.554	0.40058	**1.606**	± 0.337	0.07949	TAAACTCAATTATTCAAAAAAATAAGCTTTATTCAGAATATAGACCCCAATA
plasmid_cp32-1	18331	BB_P29		**1.882**	± 0.5392	0.029356	**1.289**	± 0.934	0.56512	**0.754**	± 0.214	0.18363	**0.854**	± 0.192	0.35549	CTTATGTCAAAAGGTATGCTTTAGTTGCAGCTCTTGGTATAGAAAGTGAAA
plasmid_cp32-1	18364	BB_P29		**2.058**	± 1.6242	0.111554	**1.682**	± 1.6018	0.25416	**1.197**	± 0.8166	0.71026	**1.227**	± 0.9774	0.48655	TTTGTAACTTTAGACCCATTTTCATTGTTCCATTGTAAATTTTCTGTAGGA
plasmid_cp32-1	18456	BB_P29		**1.459**	± 0.817	0.422769	**2.466**	± 3.2475	0.50573	**1.125**	± 0.4896	0.67438	**1.655**	± 0.9829	0.24848	CAGTACAAGTACTGGATATGAATTTTCTTTTGATACGCGAATTCCTACAGA
plasmid_cp32-1	18485	BB_P29		**1.599**	± 0.8128	0.021099	**1.473**	± 1.0737	0.23884	**0.914**	± 0.4484	0.72507	**0.677**	± 0.352	0.23868	TGCCATATTGACCCTCTATAGAAATTGGATATTGCTCAATATCAAGCTCCA
plasmid_cp32-1	18503	BB_P29		**2.927**	± 1.4604	0.145014	**1.579**	± 1.3615	0.52823	**0.91**	± 0.4791	0.75926	**1.047**	± 0.476	0.87384	TAGAAATTGGATATTGCTCAATATCAAGCTCCAAATTGTGCTTTTTAATAA
plasmid_cp32-1	18526	BB_P29		**2.743**	± 1.3085	0.060615	**1.633**	± 1.184	0.30913	**1.05**	± 0.3817	0.46384	**1.107**	± 0.3673	0.36603	TCAAGCTCCAAATTGTGCTTTTTAATAACATTTTTAATTTCTCTAACTATT
plasmid_cp32-1	18685	BB_P29		**2.246**	± 0.4805	0.031951	**1.674**	± 0.9827	0.36746	**0.588**	± 0.2143	0.09493	**0.965**	± 0.0716	0.30441	TTCAAGCAAAAATAAGCTTCCGAAAAGATATGAAAACCCTAAAAATGAATT
plasmid_cp32-1	18768	IG 134		**0.989**	± 0.3062	0.966569	**0.61**	± 0.4892	0.34634	**0.887**	± 0.2589	0.62116	**0.896**	± 0.4063	0.54112	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTA
plasmid_cp32-1	23054	IG 135		**1.350**	± 1.0537	0.244051	**0.833**	± 0.728	0.81241	**0.783**	± 0.5776	0.36813	**0.906**	± 0.5572	0.84335	CATATACATATGTATAACAAAAACTATTTTTGTCAGGCTTTTTACAGAAAT
plasmid_cp32-1	23056	IG 136		**3.180**	± 2.7666	0.197659	**3.476**	± 4.3669	0.35509	**0.93**	± 0.5681	0.34715	**1.986**	± 1.69	0.26245	TACATATACATATGTATAACAAAAACTATTTTTGTCAGGCTTTTTACAGAA
plasmid_cp32-1	23059	IG 137		**0.857**	± 0.3886	0.643177	**0.439**	± 0.3668	0.32685	**0.975**	± 0.7338	0.9246	**1.192**	± 0.8676	0.43703	GCTAAAAAAAATATATTGCTATCAAAAAAAATCCAATTAAGTTGGGTTTAGCT
plasmid_cp32-1	23191	IG 138		**0.994**	± 0.3086	0.980184	**0.603**	± 0.5181	0.34139	**1.07**	± 0.2795	0.72459	**1.009**	± 0.3769	0.96996	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTACAAAAAAAATAG
plasmid_cp32-1	23220	IG 139		**1.852**	± 0.9084	0.124272	**1.66**	± 1.8519	0.53851	**1.138**	± 0.4786	0.4511	**1.077**	± 0.4394	0.62202	GGAGTAAAAAGATGGAAAATCTTTCAAACAATAATAATCCACAAGAAAATA
plasmid_cp32-1	23769	BB_P35	*bppA*	**2.156**	± 2.3257	0.346096	**1.054**	± 0.9443	0.88746	**0.821**	± 0.7241	0.73977	**1.039**	± 0.6264	0.93813	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-1	23957	BB_P35	*bppA*	**3.588**	± 2.4561	0.090648	**2.324**	± 2.6334	0.37433	**1.075**	± 0.5948	0.31904	**1.245**	± 0.7649	0.25638	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-1	24002	BB_P35	*bppA*	**2.043**	± 1.2807	0.329291	**2.696**	± 1.8836	0.27602	**1.609**	± 1.4447	0.58868	**0.898**	± 0.3786	0.75785	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-1	24072	BB_P35	*bppA*	**1.777**	± 0.6373	0.146619	**1.082**	± 0.427	0.79831	**0.987**	± 0.4836	0.86039	**0.921**	± 0.3963	0.17755	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-1	24075	BB_P35	*bppA*	**1.976**	± 1.4987	0.091425	**1.825**	± 1.8834	0.32841	**0.971**	± 0.591	0.89904	**1.033**	± 0.6537	0.86898	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-1	24206	BB_P35	*bppA*	**0.973**	± 0.2756	0.90945	**2.077**	± 1.4637	0.26824	**0.776**	± 0.7373	0.55932	**0.585**	± 0.2827	0.001	GAATATGTTGATTGTGCAGACCTTGAAATTAAGGATAATCAATCTGCTGAA
plasmid_cp32-1	24305	BB_P35	*bppA*	**2.064**	± 1.1417	0.075498	**1.905**	± 1.0774	0.00122	**0.769**	± 0.7081	0.21665	**0.911**	± 0.6405	0.88309	AATAGAATCCAAAACGAAAATAAAAAAAGAGAAAAGCCCATTAAAGATAGG
plasmid_cp32-1	24378	BB_P35	*bppA*	**2.420**	± 1.4921	0.049991	**1.579**	± 1.5201	0.38815	**0.913**	± 0.4808	0.55711	**0.818**	± 0.532	0.12987	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-1	24388	BB_P35	*bppA*	**2.049**	± 1.6129	0.302298	**1.959**	± 0.9631	0.11947	**0.943**	± 0.4137	0.84669	**1.691**	± 0.6287	0.10347	TGTATTTGTAATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTT
plasmid_cp32-1	24596	IG 140		**1.853**	± 0.8039	0.24507	**1.994**	± 0.6035	0.01901	**0.803**	± 0.8383	0.67494	**1.849**	± 0.6153	0.13424	GGAGGATTAATTAATGCTTATTAATAAAATAAAACAAGATAATAGAACTTT
plasmid_cp32-1	24936	BB_P36	*bppB*	**2.269**	± 2.0011	0.160681	**1.679**	± 1.7958	0.35622	**0.995**	± 0.7135	0.95796	**1.079**	± 0.8367	0.17696	GCAACAAAGAATAAAGAAATATTATATGATTCACTTGATTTAAAGCCACGT
plasmid_cp32-1	25143	BB_P37	*bppC*	**2.205**	± 1.408	0.106643	**0.899**	± 0.5299	0.7987	**0.67**	± 0.3602	0.45281	**1.102**	± 0.9518	0.61547	AGTTCTTTAATTTGGAAAGAATTATAACCATTAGATTTTAAATATGAAATA
plasmid_cp32-1	25881	IG 141		**3.512**	± 2.0002	0.111841	**1.769**	± 1.7406	0.50485	**1.375**	± 1.1534	0.63158	**1.864**	± 1.0781	0.20596	CTATTTTTATCTATTTTTATTACTTTTACTTAATTTAAAAGTAACACCTTC
plasmid_cp32-1	26314	BB_P38	*erpA*	**2.431**	± 0.799	0.067878	**1.538**	± 1.6514	0.61295	**1.13**	± 0.5716	0.71125	**0.805**	± 0.3038	0.23233	TGAATCTTGCAAGCACCTATAAGTATAAAAACAGCACAAATAATAAACATT
plasmid_cp32-1	26569	BB_P38	*erpA*	**1.919**	± 0.7793	0.071768	**0.998**	± 0.9654	0.99672	**0.914**	± 0.8557	0.9026	**0.868**	± 0.4418	0.71612	GTTTTAAATGATCCACCTTCAGTCATTGCTTTTATAAAGTTATTAATTTCT
plasmid_cp32-1	26623	BB_P38	*erpA*	**2.865**	± 1.522	0.11172	**2.124**	± 1.4102	0.22342	**1.036**	± 0.3191	0.82286	**1.205**	± 0.2714	0.23405	TTCTTAATGACATTTTTATCACTTTCTTCGTCATTATATCCATAATACAAA
plasmid_cp32-1	26668	BB_P38	*erpA*	**2.462**	± 0.7659	0.063541	**1.168**	± 0.4466	0.6625	**0.981**	± 0.4331	0.84185	**0.892**	± 0.2527	0.37636	TATTCAGTATCATTAATTTTTTCTATCTTTGTTTTTATCTCTTTATTCTTA
plasmid_cp32-1	26669	BB_P38	*erpA*	**2.792**	± 0.9255	0.06033	**1.695**	± 1.0812	0.39817	**0.964**	± 0.1733	0.7565	**0.971**	± 0.2993	0.91344	TATTACATTTTTAGGAGATAAAATTAATAACAGTGCGGGGGGAGACAAAAT
plasmid_cp32-1	26970	BB_P39	*erpB*	**2.209**	± 1.9961	0.406171	**1.513**	± 0.9779	0.43502	**1.059**	± 0.6213	0.89633	**1.005**	± 0.9092	0.99198	ATTCATCTACTTTTGAACTACTTGAAGTAATTTTATCTTTTGCTGGATCCA
plasmid_cp32-1	27009	BB_P39	*erpB*	**1.179**	± 1.1984	0.722693	**0.952**	± 1.1197	0.93196	**1.095**	± 0.8566	0.7449	**1.233**	± 0.7477	0.09973	CACCCTTTATTTTATCTTCTTCTTGTAATTTTCTTGCTAATTCATCTACTT
plasmid_cp32-1	27565	BB_P39	*erpB*	**2.271**	± 1.3113	0.249191	**1.792**	± 0.9347	0.29618	**0.757**	± 0.4997	0.64424	**0.779**	± 0.4083	0.56318	ACACCTTGTGCCCCCACACTAGTTTGCTCTTTTATAACATCAATATTTCTA
plasmid_cp32-1	27591	BB_P39	*erpB*	**2.325**	± 1.2013	0.024995	**2.009**	± 1.753	0.25652	**1.281**	± 0.6449	0.1439	**1.356**	± 0.5836	0.36763	TATGATGATTTTACTGATGGGAATAAAGCTATATACAAAACTTGGGGGGAT
plasmid_cp32-1	27754	BB_P39	*erpB*	**2.828**	± 1.8027	0.117973	**1.287**	± 0.7051	0.56585	**1.284**	± 0.9367	0.3558	**1.566**	± 1.7003	0.54518	GTATCAATAATATATGCTTTATTACCCTCATTTAATTTGGTTCTTAAATTA
plasmid_cp32-1	27910	BB_P39	*erpB*	**1.858**	± 1.4824	0.358379	**2.206**	± 2.3882	0.22268	**0.842**	± 0.815	0.84798	**0.605**	± 0.452	0.44075	TCCTCACTACCAGCAACGTATTCTTTAATTTCTTCAAAATTATCTTTATCT
plasmid_cp32-1	28206	BB_P40		**2.994**	± 1.1373	0.036996	**2.271**	± 2.6236	0.44715	**0.879**	± 0.3271	0.33386	**1.843**	± 1.1233	0.23749	ACTAGCCAAATAACTCTAAAGCAAAAAAGACAAATATACAGTGCTGTTGAA
plasmid_cp32-1	28271	BB_P40		**2.620**	± 1.8698	0.263845	**1.801**	± 1.8122	0.51423	**0.856**	± 0.4008	0.68194	**1.364**	± 1.2233	0.67418	CGTAATAAAAACCGGAAAAAGTGTTTTTTTAGAATCGGAAAAAGAATTTGT
plasmid_cp32-1	28559	BB_P40		**1.948**	± 1.1817	0.278309	**1.806**	± 1.2082	0.32214	**0.944**	± 0.3342	0.8266	**1.259**	± 0.4867	0.23259	GTGTATACTCAAAAATAAAATATCTCTAAATTCTTTAATCGCATCTATTTG
plasmid_cp32-1	28895	BB_P41		**2.714**	± 2.5758	0.178312	**2.239**	± 3.1032	0.43859	**0.915**	± 0.747	0.39286	**0.908**	± 0.7148	0.25361	AGTGATGTAGAAATAGCGAAGAAATTAGGAGTTTCTAAAGTAAATGTGTGG
plasmid_cp32-1	29160	BB_P41		**1.728**	± 1.658	0.566387	**2.183**	± 2.9282	0.44426	**0.555**	± 1.0078	0.61289	**1.002**	± 0.5724	0.9989	GTATGCATACTAAAATAGAAAATTTAAGAGCCGAAATTGACGCTTTAAATA
plasmid_cp32-1	29163	BB_P41		**2.378**	± 1.5043	0.019948	**1.291**	± 0.977	0.19533	**0.864**	± 0.5299	0.44064	**0.961**	± 0.8003	0.70473	TGCATACTAAAATAGAAAATTTAAGAGCCGAAATTGACGCTTTAAATAAAG

plasmid_cp32-1	29288	BB_P41	**2.141**	± 1.8381	0.220562	**1.377**	± 1.1771	0.6443	**0.579**	± 0.3725	0.24969	**0.992**	± 0.5599	0.97827	AAAGAGTGTTCAATAAGAGAAATGGAGCTTTACTATGAATGTATGAAAAAA
plasmid_cp32-1	29407	BB_P42	**1.890**	± 0.6167	0.052187	**2.038**	± 1.3722	0.26059	**0.861**	± 0.232	0.27302	**1.098**	± 0.3434	0.43727	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-1	29482	BB_P42	**1.744**	± 0.9326	0.124901	**1.125**	± 1.041	0.61768	**0.645**	± 0.5656	0.52853	**1.076**	± 0.7161	0.53257	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAGAACAGTTA
plasmid_cp32-1	29539	BB_P42	**2.416**	± 1.8201	0.076524	**1.938**	± 2.505	0.4385	**1.062**	± 0.7172	0.8961	**1.021**	± 0.605	0.95458	AAACAAAAAAATGTGATAAAAAGCATTAAAAAGAATAATGAAAAGAAGATT
plasmid_cp32-1	29573	BB_P42	**0.694**	± 0.8072	0.174829	**1.502**	± 0.962	0.35678	**0.529**	± 0.443	0.09964	**0.278**	± 0.3277	0.05719	TTCTTTTTAATGCTTTTTATCACATTTTTTTGTTTTAAAGTTAACTGTTCT
plasmid_cp32-1	29590	BB_P42	**2.000**	± 0.9853	0.151959	**0.907**	± 1.0395	0.9106	**1.198**	± 1.1651	0.7074	**1.197**	± 0.9984	0.64098	TAATCTTCTTTTCATTATTCTTTTTAATGCTTTTTATCACATTTTTTTGTT
plasmid_cp32-1	29687	BB_P42	**1.443**	± 0.9322	0.566051	**0.591**	± 0.3741	0.26892	**0.376**	± 0.293	0.08921	**0.432**	± 0.2087	0.10297	CTAATAATTTCATTATAGGGAATTCACAACGTTCAGTTGAAGTTAATGTTT
plasmid_cp32-1	29792	BB_P42	**1.997**	± 0.581	0.096686	**1.488**	± 0.6873	0.38872	**0.989**	± 0.2306	0.92759	**1.07**	± 0.5107	0.86905	TGTCTTGGAATATAAGGAATTTTAAGAAGTTTACATAGCTTTTCAAATTGC
plasmid_cp32-1	29882	BB_P42	**0.906**	± 0.4205	0.083265	**0.519**	± 0.4337	0.36196	**1.017**	± 0.6938	0.92148	**0.921**	± 0.4077	0.28871	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCTCCATATAGATTA
plasmid_cp32-1	30027	BB_P42	**3.104**	± 1.2235	0.061367	**1.557**	± 0.5387	0.09934	**0.761**	± 0.2381	0.03596	**0.974**	± 0.3326	0.92174	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_cp32-1	30209	BB_P42	**3.830**	± 2.2636	0.026181	**1.836**	± 2.004	0.39289	**1.359**	± 0.872	0.52104	**0.98**	± 0.6255	0.96515	ATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATCCACTCACCTAAC
plasmid_cp32-1	30221	BB_P42	**1.694**	± 0.2963	0.044333	**1.53**	± 1.3251	0.55253	**0.776**	± 0.1578	0.25504	**0.809**	± 0.5555	0.61967	TAATCATCAGTAATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATC
plasmid_cp32-1	30289	BB_P42	**3.544**	± 2.3139	0.194546	**1.897**	± 1.2324	0.3326	**1.928**	± 0.1359	0.00623	**2.808**	± 1.4619	0.15534	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-1	30363	BB_P42	**2.794**	± 1.1913	0.034041	**1.536**	± 1.4821	0.48774	**0.915**	± 0.2844	0.6739	**0.733**	± 0.2414	0.30803	TATTATGAATATGGTAAAGACTGTTATAGAAAATTTCAATGTGCATACACT
plasmid_cp32-1	30417	BB_P42	**2.310**	± 1.977	0.3468	**3.197**	± 4.2177	0.44612	**1.099**	± 0.8358	0.59611	**1.687**	± 1.9856	0.61634	TTTAGAGGATAGAGATAATACAAAAGGTGCTGGTGGATTGACCCGTGAATA
plasmid_cp32-3	96	BB_S01	**2.360**	± 1.1572	0.041204	**1.631**	± 1.3959	0.37179	**1.038**	± 0.4109	0.71532	**1.124**	± 0.5075	0.33501	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-3	274	BB_S01	**1.004**	± 1.0572	0.988962	**0.864**	± 1.0557	0.87294	**1.962**	± 1.8625	0.45427	**0.942**	± 0.936	0.9136	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-3	279	BB_S01	**1.892**	± 0.7575	0.110658	**1.837**	± 1.5653	0.38842	**0.923**	± 0.2832	0.05946	**1.212**	± 0.4228	0.26052	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-3	333	BB_S01	**3.461**	± 1.4654	0.024179	**1.187**	± 0.6704	0.69274	**0.486**	± 0.5781	0.41691	**0.463**	± 0.3717	0.29835	ATAGATCTCGAACAACCCGTTAATATAGAATTACCTATTGGTTTTGAATAC
plasmid_cp32-3	395	BB_S01	**1.755**	± 0.352	0.012161	**1.385**	± 0.7996	0.47339	**1.073**	± 0.2015	0.20594	**0.95**	± 0.2167	0.57872	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG
plasmid_cp32-3	398	BB_S01	**1.833**	± 0.3939	0.017104	**1.594**	± 0.9031	0.29224	**0.677**	± 0.2276	0.11803	**1.043**	± 0.2146	0.38008	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-3	399	BB_S01	**1.179**	± 0.3457	0.476907	**0.524**	± 0.347	0.07344	**1.046**	± 0.2662	0.79155	**1.09**	± 0.2924	0.66365	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-3	432	BB_S01	**2.489**	± 0.8756	0.056686	**1.864**	± 1.6198	0.42602	**1.633**	± 1.2195	0.36132	**0.925**	± 0.5867	0.88138	ACCTATAAAGTAAAATCCAACAATAAGAACAATTCTTTAGATGCAGTTAAA
plasmid_cp32-3	490	BB_S01	**3.703**	± 1.4605	0.050095	**2.146**	± 2.8599	0.54277	**0.671**	± 0.3817	0.14297	**1.332**	± 0.8742	0.47229	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-3	578	BB_S01	**2.460**	± 1.8644	0.239054	**2.673**	± 2.5912	0.32906	**0.959**	± 0.4898	0.89964	**1.446**	± 0.7424	0.22105	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-3	744	BB_S01	**2.090**	± 0.8061	0.131012	**2.006**	± 1.4641	0.3477	**1.078**	± 0.2507	0.7137	**1.178**	± 0.1502	0.00908	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-3	1042	BB_S01	**4.307**	± 3.5556	0.058917	**3.187**	± 4.6717	0.36647	**1.204**	± 0.9084	0.69193	**0.971**	± 0.7976	0.96765	GGAGTAATTATTACGATTTTCTCAAAGGTGTACAAGAACAAGTTGAGAACT
plasmid_cp32-3	1214	BB_S01	**1.702**	± 1.1478	0.17882	**1.858**	± 2.2698	0.39234	**1.144**	± 1.1222	0.50549	**1.048**	± 1.0989	0.84898	TAACCAGCTTATACAAAGTAGCTCATTTAATAATGAGGAGCTAGCGATGTT
plasmid_cp32-3	1224	BB_S01	**2.622**	± 1.3152	0.033361	**1.045**	± 0.555	0.89341	**1.39**	± 0.8018	0.04707	**1.133**	± 0.6455	0.7381	TAAGCTGGTTATATTTACTGTAAAGCTCAATTAGCTTTATATCTCTTTCTA
plasmid_cp32-3	1410	BB_S02	**1.352**	± 0.9095	0.562345	**1.073**	± 0.8031	0.36351	**0.795**	± 0.6163	0.56973	**1.161**	± 0.7347	0.29821	CATGCGTTTTAAAGAGCAGGCAAATAGTAAATCTAAAGAGACAAGTCGAGA
plasmid_cp32-3	1626	BB_S02	**2.105**	± 1.478	0.342604	**0.826**	± 0.5059	0.45812	**0.586**	± 0.2963	0.14797	**0.843**	± 1.2961	0.87769	TCCTTTTGCAAGTAGCACCTCTTTGTTAAAATGATTGCTAAGATGTGCTTT
plasmid_cp32-3	1631	BB_S02	**1.035**	± 1.2185	0.914361	**0.918**	± 1.0315	0.71313	**1.109**	± 1.0065	0.59652	**0.986**	± 0.8923	0.81559	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_cp32-3	1636	BB_S02	**2.911**	± 2.1487	0.12877	**2.271**	± 2.8301	0.46211	**0.81**	± 0.7107	0.69923	**1.07**	± 0.716	0.76249	AAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCGTTCCA
plasmid_cp32-3	1747	BB_S02	**1.378**	± 0.8344	0.283003	**0.272**	± 0.1982	0.11996	**0.88**	± 0.7201	0.63147	**1.066**	± 0.692	0.81386	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_cp32-3	1928	BB_S02	**1.698**	± 0.7635	0.242917	**1.34**	± 0.297	0.17338	**0.922**	± 0.3758	0.72743	**0.648**	± 0.5574	0.31415	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-3	1931	BB_S02	**2.293**	± 1.4564	0.081622	**1.402**	± 1.1993	0.34095	**1.335**	± 0.6771	0.17808	**0.961**	± 0.5468	0.80477	CATACAAGCAAAGACGAATTCAATTTTATGAAAATCTAAAAAGACATAAAA
plasmid_cp32-3	2216	BB_S03	**1.676**	± 0.957	0.301533	**0.988**	± 0.6965	0.98096	**0.751**	± 0.5295	0.51246	**0.839**	± 0.543	0.52875	TACGGATACCCTTTAGCAGGGTAATTCTCTATTTTGTCTTTACTGCTAGTG
plasmid_cp32-3	2231	BB_S03	**1.707**	± 1.2821	0.282464	**1.763**	± 1.3384	0.31254	**1.488**	± 1.1789	0.49268	**1.361**	± 0.5971	0.39325	AGCTTAGTTTTGGAGATGGAACAACCGAACTAGAAGTTGAGGCTGGTGGTG
plasmid_cp32-3	2341	BB_S03	**2.054**	± 0.9121	0.184824	**1.448**	± 0.9147	0.49339	**0.919**	± 0.4127	0.76285	**0.83**	± 0.1519	0.15249	TAACAGTTGCCATACCGCTAAACTCATCTATATCGGAACACACTCCATATA
plasmid_cp32-3	3042	BB_S04	**1.267**	± 1.5341	0.784636	**0.917**	± 1.5221	0.93017	**1.282**	± 0.816	0.51788	**0.738**	± 0.5	0.31714	TGTATTGCCAATTACTAACAATTTTGAAGGGTACCTTGTCACAAGGAATCC
plasmid_cp32-3	3180	BB_S04	**0.181**	± 0.2178	0.108803	**0.637**	± 0.2123	0.24745	**0.541**	± 0.2538	0.22788	**1.09**	± 0.6773	0.66754	TATGTTAATTACGGTTGGTGGCCCACCTCCAGCCTTGATAATAACACCGTT
plasmid_cp32-3	3203	BB_S04	**1.848**	± 0.7706	0.039166	**1.7**	± 1.2622	0.30812	**1.031**	± 0.432	0.66029	**1.42**	± 0.4855	0.09049	CAATCAATTTTGCACCCGAAGATGGAAATCAAGATCAAAATAGATATCCTA
plasmid_cp32-3	3249	BB_S04	**0.079**	± 0.1395	0.065656	**0.308**	± 0.4671	0.12979	**0.201**	± 0.2433	0.07677	**0.406**	± 0.5054	0.23127	TCCTAGGCAAGAGTATTCTATTAATTTGATAAAAGTTGCAATTTTTGGAAA
plasmid_cp32-3	3376	BB_S05	**3.517**	± 2.4788	0.063243	**2.261**	± 2.0025	0.19757	**1.097**	± 0.7789	0.63663	**1.312**	± 1.0578	0.29062	TCTCCCATTTATTTACCTCCTTTTATTCGCCCAAAGTTTAACCACCATCAG
plasmid_cp32-3	3393	BB_S05	**2.744**	± 2.3961	0.33245	**2.161**	± 2.7386	0.42292	**1.806**	± 1.038	0.09797	**2.153**	± 1.5261	0.29484	AAAGAGTATCAAGAGAAAAGAAGTAAACTGGAAAAGTTTATGAAAAATCCC
plasmid_cp32-3	3668	BB_S05	**1.748**	± 1.7723	0.298131	**1.313**	± 1.6543	0.6211	**0.64**	± 0.4175	0.40356	**0.996**	± 0.7803	0.99574	TGGAATATGCATTGACATAGATGAGTTTAGTAAAACAGCTACTATTGTGCC
plasmid_cp32-3	3694	BB_S05	**1.765**	± 0.6129	0.061794	**1.868**	± 1.6572	0.38067	**0.916**	± 0.2675	0.40753	**1.274**	± 0.5037	0.23277	AACTCATCTATGTCAATGCATATTCCATATAAGTCTTCACCTCCACCAGCC
plasmid_cp32-3	3712	BB_S05	**1.992**	± 1.1535	0.169723	**1.794**	± 1.6955	0.47637	**0.877**	± 0.6066	0.75364	**0.863**	± 0.3611	0.49591	TTGTGCCAATTACCAATAATTTTGAGGGATATTTAGTGGCAAAAGATTCTA
plasmid_cp32-3	3727	BB_S05	**2.153**	± 1.2768	0.230603	**1.409**	± 1.1874	0.67456	**1.188**	± 0.9666	0.79167	**1.074**	± 0.6281	0.84115	TTGGTAATTGGCACAATAGTAGCTGTTTTACTAAACTCATCTATGTCAATG

plasmid_cp32-3	3796	BB_S05	**1.852**	± 1.0859	0.020218	**2.118**	± 1.614	0.12747	**1.057**	± 0.6187	0.76902	**1.946**	± 1.5894	0.21616	AAGACGGTGCTCTTGAAAAGGTGACTGGAGCACCAAATAAAGCAACTATTA
plasmid_cp32-3	3919	BB_S05	**2.643**	± 3.0231	0.420073	**0.807**	± 0.7183	0.74857	**1.524**	± 1.2916	0.0735	**1.259**	± 1.2669	0.76659	TTCCCAAATACAGCTACTTTTACTAAATAAACCTCATTGCTAATTTGTTTC
plasmid_cp32-3	4067	BB_S06	**1.634**	± 0.6681	0.168463	**0.898**	± 0.2207	0.22978	**0.777**	± 0.1231	0.11755	**0.942**	± 0.1387	0.44433	AGATGTTGATCTACAAATGGGATATCAAAAAACCGTAAAATGGGACGCGTT
plasmid_cp32-3	4222	BB_S06	**2.477**	± 1.3756	0.153512	**2.401**	± 2.1379	0.34346	**0.881**	± 0.42	0.50916	**1.103**	± 0.615	0.62445	AATTCAGACATTTAAAGCAGACTTCTGAGAAATTTTATACTTCAGATTCAT
plasmid_cp32-3	4489	BB_S06	**2.381**	± 1.8984	0.197332	**1.933**	± 2.5274	0.5015	**0.823**	± 0.6436	0.38741	**1.102**	± 0.5739	0.36604	AAATGGATAAAATCTTTGAAAAGATTGAGGCTGGACTTTCAAAGTTAGAAC
plasmid_cp32-3	4678	BB_S06	**1.749**	± 1.1679	0.111112	**0.326**	± 0.2392	0.18689	**0.279**	± 0.1668	0.11816	**0.683**	± 0.5152	0.03465	AGGCTATTAATAATAGAGAAGATGTTTACATTGAAACTTCAAACTTGCTGA
plasmid_cp32-3	4789	BB_S06	**2.098**	± 0.8575	0.1175	**1.108**	± 0.588	0.81117	**0.872**	± 0.3999	0.72783	**0.925**	± 0.3603	0.70228	TACTTGCTAGGTTTAAATTTAATAAGTTCAGAATTTAGTGGATAAATGAGT
plasmid_cp32-3	5093	BB_S07	**1.413**	± 0.312	0.177738	**1.321**	± 1.6287	0.7675	**0.817**	± 0.4763	0.64876	**0.909**	± 0.4925	0.8049	GCTTGAAGTAAGGATAAATGAAGTAGAAAATTTTGCCTGCTTAGTGCAAAT
plasmid_cp32-3	5259	BB_S07	**1.160**	± 0.7807	0.78803	**1.689**	± 1.4834	0.342	**0.587**	± 0.3425	0.39935	**0.913**	± 0.7279	0.90136	TTATCCTAGTAGCAGTGGAGGCGAAGAAGGCGGCGAGGGGAGTTGTGGCTC
plasmid_cp32-3	5566	BB_S08	**1.673**	± 0.72	0.065	**1.744**	± 1.7429	0.45534	**0.852**	± 0.3186	0.13832	**1.192**	± 0.6037	0.30569	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_cp32-3	5633	BB_S08	**0.439**	± 0.2004	0.120455	**0.432**	± 0.3947	0.22741	**1.2**	± 0.3941	0.05595	**1.049**	± 0.3979	0.52171	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACCAAAAGACCGAAT
plasmid_cp32-3	5648	BB_S08	**3.885**	± 2.5294	0.099834	**0.76**	± 0.5695	0.32622	**1.126**	± 0.6659	0.56144	**1.25**	± 0.8158	0.62365	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG
plasmid_cp32-3	5917	BB_S09	**2.592**	± 0.8463	0.045167	**1.404**	± 0.6765	0.36109	**0.965**	± 0.2571	0.79949	**1.084**	± 0.309	0.68334	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGG
plasmid_cp32-3	5928	BB_S09	**2.603**	± 1.8998	0.183821	**2.231**	± 2.1229	0.33539	**1.322**	± 0.7296	0.08487	**2.454**	± 1.7161	0.25007	GCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGGAATGGAGGCTA
plasmid_cp32-3	6014	BB_S09	**3.561**	± 1.8623	0.050418	**2.229**	± 1.8025	0.23893	**1.156**	± 0.5674	0.09611	**1.566**	± 0.8773	0.11305	GATAATTTTCATAGTACCTTATAAAAGCTTGTCCAATAGCCTCCATTCCCG
plasmid_cp32-3	6081	BB_S09	**2.426**	± 1.3334	0.088811	**1.049**	± 0.7413	0.68249	**1.625**	± 1.1657	0.25444	**0.877**	± 0.623	0.83872	CTACCCCTTTTAAACTTACTTTTGATTGTATTAGCCTTTAAGGCTGGAGTG
plasmid_cp32-3	6139	BB_S09	**1.913**	± 1.3518	0.294649	**1.415**	± 1.4424	0.65713	**0.562**	± 0.2958	0.27249	**0.778**	± 0.2452	0.19474	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_cp32-3	6178	BB_S10	**1.101**	± 0.3997	0.104004	**0.463**	± 0.3857	0.26087	**0.915**	± 0.4122	0.04263	**1.067**	± 0.4337	0.35245	TTAAATCATTTAACCCAAATATTTAAAGGGTTTAAGGCATATGCAACTGAA
plasmid_cp32-3	6254	BB_S10	**1.448**	± 1.829	0.684715	**2.629**	± 1.0918	0.0869	**1.464**	± 1.3622	0.65441	**2.068**	± 1.0631	0.24676	TTTATGATATCGCACTCAAAATTATTTTCAGTTGCATATGCCTTAAACCCT
plasmid_cp32-3	6307	BB_S10	**2.014**	± 0.5346	0.070116	**1.069**	± 0.3972	0.83566	**0.783**	± 0.291	0.41881	**0.888**	± 0.2047	0.50102	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_cp32-3	6473	BB_S10	**2.030**	± 1.8749	0.31233	**3.116**	± 2.8317	0.19698	**0.876**	± 0.953	0.8498	**0.87**	± 1.0428	0.83169	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_cp32-3	6529	BB_S10	**3.191**	± 1.1711	0.050018	**1.813**	± 1.4328	0.37478	**0.909**	± 0.2677	0.40988	**1.068**	± 0.3119	0.43941	GACTGGGCAAAGTATACTTATGAGCTTTATTGTGTAGAAAGTCACTAAGCA
plasmid_cp32-3	6545	BB_S10	**2.031**	± 1.6829	0.10199	**1.781**	± 1.7494	0.25092	**0.844**	± 0.6449	0.29652	**1.123**	± 0.669	0.67255	TTAATAAAATTAACTTCTACATTTACCCAACATCTAATATGCAAACAGTTG
plasmid_cp32-3	6822	BB_S11	**1.274**	± 1.1557	0.630873	**0.597**	± 0.8101	0.49029	**1.29**	± 0.6318	0.29624	**1.874**	± 1.3302	0.23135	GCAGCATCTTTATTAACTTTGATTTTAGCTGTTTTGTAAACCAAAAGTGGA
plasmid_cp32-3	7364	BB_S11	**2.947**	± 1.3966	0.093751	**2.177**	± 1.9249	0.35439	**1.076**	± 0.3742	0.46267	**1.259**	± 0.4074	0.47751	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_cp32-3	7728	BB_S11	**2.210**	± 1.0652	0.10016	**2.125**	± 1.3526	0.28317	**1.255**	± 0.5973	0.46484	**1.064**	± 0.6856	0.34111	ATATTCACGCTAAGTTCTAATTTAAGTTGTGGCGTAGGAGAAAGAGTAAGC
plasmid_cp32-3	7737	BB_S11	**1.224**	± 1.9547	0.85478	**0.131**	± 0.2203	0.21443	**0.663**	± 0.4583	0.47455	**1.76**	± 1.45	0.4504	ACTTTAGCATTAATGCTGTTGCTTTAGTAATTACTACTCAAGATATAGTTG
plasmid_cp32-3	7969	BB_S12	**1.985**	± 0.9426	0.107116	**1.999**	± 1.8792	0.38259	**1.091**	± 0.5209	0.69805	**1.045**	± 0.4987	0.66397	AGAGATCCCAAAACAATAACTTATGTTTTCAACATTGAAGTGACACTAGGT
plasmid_cp32-3	8141	BB_S12	**2.777**	± 1.0795	0.030294	**1.654**	± 1.7801	0.53913	**1.375**	± 0.5601	0.41857	**1.313**	± 0.458	0.02792	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-3	8219	BB_S12	**1.818**	± 0.4279	0.081824	**1.822**	± 1.4708	0.43485	**0.932**	± 0.1331	0.53905	**0.905**	± 0.1311	0.26544	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-3	8270	IG 142	**1.839**	± 1.5213	0.476696	**0.569**	± 0.7203	0.51947	**1.055**	± 0.6731	0.91418	**0.489**	± 0.1916	0.02793	ATAAGAATCTCCTTTTAAGAGTTGTTTGGTTTAGATTTTTGGCAATTAATA
plasmid_cp32-3	8434	BB_S13	**2.012**	± 1.1719	0.280933	**1.98**	± 1.9084	0.49921	**1.454**	± 1.0233	0.5819	**0.91**	± 0.4542	0.83612	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-3	8575	BB_S13	**3.108**	± 2.4473	0.246991	**1.152**	± 0.5969	0.76296	**1.611**	± 0.9139	0.15657	**1.306**	± 0.6746	0.22238	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-3	8645	BB_S13	**1.974**	± 0.7386	0.094973	**1.215**	± 0.7149	0.60559	**0.959**	± 0.5125	0.83947	**1.264**	± 0.5976	0.45268	TTAATGAAAATTTTGATTATGAAAAAGTAGCCACTTCACTTTCATCAAGTA
plasmid_cp32-3	8746	BB_S14	**1.824**	± 0.6073	0.017963	**1.609**	± 1.1011	0.25721	**1.275**	± 0.5247	0.42801	**1.103**	± 0.4359	0.05942	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-3	8934	BB_S14	**1.521**	± 0.8869	0.466157	**0.762**	± 0.4673	0.43418	**0.793**	± 0.4826	0.54832	**0.982**	± 0.8016	0.96705	TTGTATGAATTAATTTTAAGCAAGTGAGGACTTAGTGAGCGACAAATTCAC
plasmid_cp32-3	8965	IG 143	**2.774**	± 1.4185	0.006526	**1.418**	± 1.0124	0.42293	**1.011**	± 0.523	0.97972	**1.257**	± 0.9237	0.73549	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_cp32-3	8968	BB_S15	**2.382**	± 0.9733	0.074609	**1.83**	± 0.9264	0.25515	**1.195**	± 0.3508	0.47859	**1.134**	± 0.371	0.42009	GTGAGCGACAAATTCACCATTAAATTTAAAGGTATTCTTGATCATGCTGCA
plasmid_cp32-3	9140	BB_S15	**2.834**	± 2.3443	0.29456	**2.066**	± 2.286	0.48605	**0.277**	± 0.2987	0.06825	**0.736**	± 0.4423	0.52383	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-3	9665	BB_S15	**2.108**	± 0.767	0.010408	**1.217**	± 0.8614	0.51027	**0.78**	± 0.3134	0.34602	**0.972**	± 0.4622	0.67195	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-3	9746	BB_S15	**2.510**	± 0.4656	0.025459	**1.814**	± 1.2724	0.37437	**1.299**	± 0.2399	0.16162	**1.231**	± 0.16	0.10412	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-3	9784	BB_S15	**2.303**	± 0.5936	0.045031	**1.349**	± 0.9095	0.54392	**0.852**	± 0.2852	0.40081	**1.093**	± 0.2883	0.51338	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-3	9813	BB_S15	**2.343**	± 2.7181	0.512601	**1.284**	± 1.0775	0.62943	**1.354**	± 1.0014	0.28438	**0.581**	± 0.2957	0.18909	TTTGTCTCCAACACCTGACTTCTTTAATAGATCAAAAAGCTCACTTCCATC
plasmid_cp32-3	10025	BB_S15	**2.564**	± 1.7545	0.00932	**1.455**	± 1.3912	0.23386	**1.021**	± 0.6818	0.96543	**1.768**	± 1.1431	0.21436	TCATTAACTGGATCACCGCTAAAATTAAAAATTTTGATTTTACCAAAGATA
plasmid_cp32-3	10259	IG 144	**1.522**	± 1.2045	0.003094	**1.801**	± 2.0111	0.29824	**0.994**	± 0.7676	0.97769	**1.015**	± 0.8587	0.82947	ATTACCTTTTACCAAAATTATGGAGTGTTGTTAGCATTGTCTTGATTCTCA
plasmid_cp32-3	10650	BB_S16	**1.631**	± 1.048	0.089563	**1.913**	± 1.8687	0.34008	**0.711**	± 0.5233	0.14733	**0.85**	± 0.9072	0.57582	TGTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_cp32-3	10807	BB_S16	**1.195**	± 0.6188	0.155983	**1.021**	± 0.7397	0.90441	**0.681**	± 0.4424	0.43348	**0.838**	± 0.4493	0.30394	TATACTAAAAGGGACTTGTGCTTGTATTCTATTGGCTAGTTGTTCTTTTAC
plasmid_cp32-3	10810	BB_S16	**2.521**	± 1.3403	0.007313	**1.211**	± 1.3529	0.82723	**0.827**	± 0.7063	0.78582	**0.612**	± 0.3344	0.37549	TAGTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTT
plasmid_cp32-3	10812	BB_S16	**1.802**	± 0.8846	0.127685	**1.809**	± 1.7975	0.45309	**1.143**	± 0.3289	0.02717	**1.071**	± 0.4451	0.68331	GTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTTTA

plasmid_cp32-3	10997	BB_S17		**2.163**	± 1.4128	0.1126	**1.806**	± 1.5379	0.28493	**1.165**	± 0.7965	0.56165	**1.507**	± 1.0519	0.30074	GATACATCAAAAAAATCCCCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-3	10998	BB_S17		**1.760**	± 1.0175	0.023083	**0.478**	± 0.3836	0.35806	**1.002**	± 0.5292	0.98888	**1.021**	± 0.5689	0.80988	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-3	11001	BB_S17		**2.083**	± 1.0962	0.108664	**1.907**	± 1.8202	0.38842	**0.939**	± 0.376	0.73612	**1.092**	± 0.5585	0.43093	CATCAAAAAAATCCCCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-3	11204	BB_S17		**1.924**	± 1.109	0.311218	**1.173**	± 1.5155	0.86894	**0.336**	± 0.1834	0.07208	**0.608**	± 0.3984	0.11772	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-3	11212	BB_S17		**2.264**	± 0.8795	0.106947	**1.531**	± 0.7571	0.31015	**0.984**	± 0.1473	0.84333	**1.185**	± 0.3097	0.41492	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG
plasmid_cp32-3	11533	BB_S17		**3.058**	± 1.4407	0.140193	**0.799**	± 0.4227	0.40399	**1.059**	± 0.2427	0.71796	**1.088**	± 0.2165	0.6008	TGTTCCTTTAATTTTGTCAATAAACTCTTTTGGTGTTGTGGCATAAATATC
plasmid_cp32-3	11536	BB_S17		**1.357**	± 0.4876	0.408066	**0.521**	± 0.1973	0.00179	**0.86**	± 0.2621	0.58732	**0.992**	± 0.2339	0.97207	TGTTCATAACGTAATAGCCGATATTGGTACTGGTTTACGGGGATATGAATG
plasmid_cp32-3	12122	BB_S18		**1.785**	± 0.6873	0.166101	**1.755**	± 1.5612	0.47578	**0.84**	± 0.3765	0.34909	**1.694**	± 0.7232	0.15149	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-3	12235	BB_S18		**2.956**	± 1.461	0.036382	**2.786**	± 2.8233	0.38607	**1.974**	± 1.2262	0.31914	**0.976**	± 0.6463	0.6853	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_cp32-3	12236	BB_S18		**1.141**	± 0.2615	0.498593	**1.332**	± 0.5946	0.2538	**1.128**	± 0.4578	0.70847	**1.222**	± 0.8442	0.73736	AGTATATAAAAATGATGTTTGTCAAAGTGAATATCGTTATTTTTATCAAAA
plasmid_cp32-3	12239	BB_S18		**2.305**	± 0.8476	0.027311	**1.862**	± 1.518	0.34521	**1.064**	± 0.2692	0.68181	**1.101**	± 0.3102	0.25969	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-3	12334	BB_S18		**1.479**	± 1.4247	0.572512	**1.32**	± 1.638	0.66521	**0.765**	± 0.4292	0.61967	**1.289**	± 0.8628	0.68635	AAAAAAATTCTAGATAATATTGTTAGTGCTATCAATGGTATAAAAATTATA
plasmid_cp32-3	12535	BB_S19		**1.961**	± 1.2914	0.2517	**0.947**	± 0.8597	0.94145	**0.673**	± 0.4655	0.3	**0.811**	± 0.5605	0.68197	TTAAATACCAATTCAAAATTATTGCCTAATCTTAAATCCATACTAGTAATT
plasmid_cp32-3	12735	BB_S19		**1.215**	± 1.0453	0.655132	**1.419**	± 1.7695	0.67684	**0.289**	± 0.1928	0.09136	**0.548**	± 0.4215	0.24162	AATCTAAGTTAAGCTCTTTAGATATTTCATGAAAATAATTTTTTACAGCGT
plasmid_cp32-3	12775	BB_S19		**2.338**	± 0.6278	0.004003	**1.066**	± 0.8255	0.8858	**0.637**	± 0.1715	0.0735	**0.711**	± 0.42	0.29122	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-3	13065	BB_S20		**2.246**	± 1.2722	0.193492	**1.744**	± 1.2141	0.09329	**0.781**	± 0.5646	0.69807	**1.287**	± 0.7286	0.6241	TGTTCTTCAATAGCAGCCCAATAAGTACCACCAGGTTTCATTTTAGAAAAA
plasmid_cp32-3	13169	BB_S20		**1.664**	± 0.5309	0.074661	**1.342**	± 0.7959	0.4481	**0.793**	± 0.5563	0.27101	**1.398**	± 0.5656	0.0984	TGTTGGCTTTACCAGCTGCACTTTTAATATTAGTGTACTCAATCCCATCAA
plasmid_cp32-3	13172	BB_S20		**1.065**	± 0.6304	0.717065	**0.577**	± 0.5022	0.0964	**1.028**	± 0.3446	0.78657	**1.125**	± 0.356	0.30711	TATCTAATTCTAAAGGAAACTTTACTAGACACTAGTAAATCTAATATTAAT
plasmid_cp32-3	13206	BB_S20		**1.387**	± 0.3277	0.038726	**1.019**	± 0.3026	0.81118	**0.882**	± 0.1384	0.28527	**1.049**	± 0.1607	0.56527	GTAAATCTAATATTAATAGTCCTGAATTTAAAGCAAAACTTTGGGAAACAT
plasmid_cp32-3	13256	BB_S20		**1.669**	± 0.6731	0.224721	**1.204**	± 1.4727	0.83259	**0.301**	± 0.1278	0.0115	**0.791**	± 0.6516	0.63243	ATGTTTCCCAAAGTTTTGCTTTAAATTCAGGACTATTAATATTAGATTTAC
plasmid_cp32-3	13408	BB_S20		**2.349**	± 0.9715	0.058691	**1.119**	± 0.8586	0.86097	**1.39**	± 0.8035	0.33414	**0.856**	± 0.2991	0.59115	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATGTAAACATATTTTCTTTT
plasmid_cp32-3	13467	BB_S20		**1.861**	± 0.3928	0.038844	**1.232**	± 0.3509	0.25976	**0.841**	± 0.1657	0.35523	**1.114**	± 0.159	0.05764	TTTGAAATAATCCTAGAATAAATGTCCCTAATTTGAGAGTCTATGTTTAAG
plasmid_cp32-3	13533	BB_S20		**1.139**	± 0.8805	0.850871	**1.034**	± 0.9857	0.96138	**0.978**	± 0.588	0.89942	**0.67**	± 0.4662	0.50644	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-3	13838	BB_S21		**2.726**	± 1.6177	0.05683	**1.707**	± 1.45	0.28916	**0.899**	± 0.4314	0.6579	**0.93**	± 0.4327	0.80694	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-3	14186	BB_S21		**2.672**	± 2.3876	0.367651	**3.162**	± 4.1027	0.46455	**2.113**	± 2.0987	0.45001	**1.356**	± 0.4411	0.13851	GTATTCAACTCACTTCCTAAGGGCTATGATCATTCAATTTATGCTTTTATT
plasmid_cp32-3	14224	BB_S21		**2.998**	± 0.742	0.042638	**2.101**	± 1.4346	0.31623	**1.453**	± 0.339	0.14768	**1.1**	± 0.6086	0.79978	AATTGAATGATCATAGCCCTTAGGAAGTGAGTTGAATACTAAAGCCTTTTT
plasmid_cp32-3	14280	BB_S21		**1.657**	± 0.9273	0.005359	**0.38**	± 0.2995	0.2766	**0.863**	± 0.5332	0.34436	**0.989**	± 0.6542	0.95874	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-3	14289	BB_S21		**1.496**	± 0.1087	0.022234	**1.309**	± 0.4157	0.33457	**0.973**	± 0.1303	0.79671	**1.224**	± 0.8032	0.66328	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-3	14420	BB_S22		**0.991**	± 0.6103	0.981089	**0.555**	± 0.581	0.52851	**0.992**	± 0.7536	0.97118	**1.073**	± 0.7679	0.73427	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA
plasmid_cp32-3	14523	BB_S22		**1.962**	± 1.4305	0.078335	**1.653**	± 1.3327	0.1576	**0.621**	± 0.3447	0.39956	**1.389**	± 0.9921	0.55718	AAATAGTCTAATCCCTCTCCTTTAAATATTTTGTCTTTAGAAGCATCTAAA
plasmid_cp32-3	14616	BB_S22		**1.969**	± 1.0752	0.06851	**1.672**	± 1.6026	0.41287	**0.914**	± 0.4329	0.33753	**1.018**	± 0.5407	0.71305	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_cp32-3	14676	BB_S22		**1.073**	± 0.783	0.912298	**0.904**	± 1.1349	0.86089	**0.554**	± 0.3355	0.00093	**0.902**	± 0.5647	0.6213	TCTGTAAGGCGTGATTTAATTTTACTAAAAAGGTTAGAAATATTAGTAGAA
plasmid_cp32-3	14768	BB_S22		**2.188**	± 0.6299	0.014892	**1.088**	± 0.5947	0.82142	**1.298**	± 0.47	0.03676	**1.053**	± 0.3909	0.81052	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-3	14771	BB_S22		**2.514**	± 2.7604	0.372444	**2.292**	± 2.7719	0.38197	**0.965**	± 1.2052	0.91582	**0.844**	± 1.1053	0.70923	CTTGGAGTACCATCAAATTTTGCTTATGGCAGAACTAGAAGTACTACACTT
plasmid_cp32-3	14862	BB_S22		**1.084**	± 0.5407	0.802003	**1.091**	± 0.7904	0.66312	**1.069**	± 0.6994	0.88182	**0.607**	± 0.5893	0.55051	TGGAATACAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATT
plasmid_cp32-3	14869	BB_S22		**1.548**	± 0.3608	0.013152	**1.426**	± 0.8585	0.36929	**1.025**	± 0.2201	0.82512	**0.95**	± 0.3413	0.85741	CAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATTCTCCCGT
plasmid_cp32-3	14958	BB_S22		**1.953**	± 0.8481	0.086783	**3.006**	± 1.2536	0.02096	**1.084**	± 0.6156	0.84208	**1.208**	± 0.5879	0.55755	TTATCATTGATTTTTACTTGAATTTCAATATCAAGATAAACGGGAGAATTA
plasmid_cp32-3	15047	BB_S22		**1.411**	± 0.4605	0.086744	**0.415**	± 0.3241	0.21545	**1.221**	± 0.8463	0.59433	**1.571**	± 0.8995	0.35872	TTCACCAGAATTCCCATTTATAAAGGATGGTATGTCCAAAAAAGAGCCTCC
plasmid_cp32-3	15064	BB_S22		**2.269**	± 1.1744	0.103221	**1.61**	± 1.6462	0.56614	**0.851**	± 0.417	0.36452	**0.968**	± 0.7698	0.95111	AATGGGAATTCTGGTGAATAGTCCGCGGGGGCCCGCAATTTCATAAACCCT
plasmid_cp32-3	15167	IG 145		**2.027**	± 1.6941	0.226497	**2.412**	± 2.505	0.32346	**0.932**	± 0.5385	0.7495	**1.309**	± 0.7695	0.0813	TATACCAAAATCATAATTTTTGCTAAAAAGTTTACAGTTTTAAAAGATCTG
plasmid_cp32-3	15175	IG 146		**2.872**	± 0.3556	0.009966	**1.834**	± 0.9847	0.27538	**1.063**	± 0.0852	0.15958	**1.269**	± 0.0943	0.01248	CGTATAAAAATAAAAAATTAAAATGAAGGATTAAAAAATGGATACTATTAA
plasmid_cp32-3	15332	BB_S23	*blyA*	**2.508**	± 1.4197	0.151355	**1.585**	± 0.7776	0.20458	**0.855**	± 0.5337	0.63181	**0.7**	± 0.6266	0.38108	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-3	15350	BB_S23	*blyA*	**1.023**	± 0.3991	0.812654	**0.449**	± 0.3652	0.28188	**0.924**	± 0.3594	0.40927	**0.987**	± 0.4105	0.77143	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-3	15353	BB_S23	*blyA*	**2.951**	± 2.0688	0.215219	**1.939**	± 1.495	0.15674	**1.792**	± 0.987	0.24636	**1.78**	± 1.0171	0.00781	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-3	15699	BB_S24	*blyB*	**2.019**	± 1.1682	0.008114	**2.111**	± 1.4305	0.08701	**1.105**	± 0.7347	0.6427	**0.94**	± 0.5399	0.90377	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-3	15741	BB_S24	*blyB*	**3.017**	± 2.6165	0.252344	**0.79**	± 0.4981	0.12153	**1**	± 0.9801	0.99933	**0.795**	± 0.5424	0.64892	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_cp32-3	15784	BB_S25		**5.142**	± 2.948	0.064436	**1.565**	± 1.169	0.55193	**0.54**	± 0.497	0.45521	**0.801**	± 0.7568	0.62795	AGTCCTAAACCAATAGTGTTATTTTGCATTATTTGTTCTTTCCTTATAGAT
plasmid_cp32-3	15805	BB_S25		**0.961**	± 0.8957	0.905632	**0.911**	± 0.5669	0.43188	**0.639**	± 0.2329	0.20697	**0.562**	± 0.3123	0.27707	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-3	15889	BB_S25		**2.092**	± 1.8364	0.160799	**1.713**	± 1.8855	0.36368	**0.801**	± 0.4992	0.47149	**1.175**	± 0.949	0.19137	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA

plasmid_cp32-3	15891	BB_S25		**1.697**	± 0.7194	0.103516	**1.536**	± 0.779	0.16391	**0.886**	± 0.4916	0.57441	**1.396**	± 0.7911	0.27497	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-3	15892	BB_S25		**2.545**	± 1.3427	0.096588	**1.22**	± 0.8252	0.62027	**0.639**	± 0.295	0.26423	**1.204**	± 0.6468	0.71288	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-3	15894	BB_S25		**2.028**	± 1.0151	0.086396	**1.672**	± 1.452	0.39517	**1.068**	± 0.4522	0.50974	**1.059**	± 0.428	0.50875	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-3	15978	BB_S25		**2.770**	± 0.9221	0.07283	**1.202**	± 1.0109	0.74906	**0.722**	± 0.1219	0.1309	**0.825**	± 0.1007	0.16817	TTATCTCAATGTTGTATTTTAAAATGTCTTGTATTTCTTCAAATATTTTAG
plasmid_cp32-3	16055	BB_S25		**1.701**	± 1.2614	0.203189	**2.019**	± 1.7483	0.25088	**0.929**	± 0.53	0.73838	**0.964**	± 0.4734	0.76559	TTCTTTCATGATTTTGTTACGTGTTGATTTAAGTGAAGTGATAATTCTTTT
plasmid_cp32-3	16333	BB_S26		**1.938**	± 1.1669	0.210301	**1.746**	± 1.3038	0.3368	**0.792**	± 0.4969	0.28443	**1.089**	± 0.3199	0.65287	TGGAGTGTTCGTCTTTTAGTGTTGATAAATCTGGATAAGGATATTCTGGAT
plasmid_cp32-3	16409	BB_S26		**1.005**	± 0.4891	0.982231	**0.594**	± 0.6078	0.31122	**1.098**	± 0.8041	0.78115	**1.114**	± 0.6451	0.04684	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-3	16880	BB_S27		**0.540**	± 0.6458	0.403958	**0.534**	± 0.7485	0.30762	**0.514**	± 0.6309	0.15559	**0.495**	± 0.6309	0.34843	GTATACAAAGAAAAGAAAAAGTAATCTAAGAGTTTTTGCAATACTGTTTTT
plasmid_cp32-3	17027	IG 147		**1.671**	± 0.9449	0.347311	**1.233**	± 1.4476	0.80909	**0.493**	± 0.2811	0.05582	**0.535**	± 0.2626	0.11935	TAAAAATCTCTAAAGCCAATTAATCTAAAATAGTATATAATATGACCATAA
plasmid_cp32-3	17459	BB_S29	*bdrF*	**2.217**	± 1.8205	0.002693	**2.48**	± 2.816	0.21755	**1.17**	± 1.0134	0.55858	**1.318**	± 1.0654	0.23332	TCAATCTTAGTATCTAAATTAGATATATCTTTTTGTAAATTCTTCTCTACA
plasmid_cp32-3	17513	BB_S29	*bdrF*	**2.413**	± 1.7673	0.008101	**2.608**	± 2.7918	0.22857	**1.319**	± 1.0026	0.26756	**1.592**	± 1.2038	0.05174	TCAATCTTAGTATCTAAATTAGATATATCTTTTTGTAAATTCTTCTCTACA
plasmid_cp32-3	17694	BB_S29	*bdrF*	**1.716**	± 1.3121	0.417149	**1.182**	± 0.7924	0.56849	**0.994**	± 0.692	0.99114	**1.263**	± 0.7599	0.61243	TTTAGAAATGAAAGCAAATATTAGCCCGGCTATCATTGTGATAGACATTGC
plasmid_cp32-3	18119	BB_S30	*mlpC*	**1.861**	± 1.5161	0.075091	**1.86**	± 1.783	0.15628	**1.256**	± 0.8388	0.45865	**1.124**	± 0.7758	0.70441	TCAAGTTGAGTTTTTATATGATCAAGTGCTGATTTTATTTTATCATCATCA
plasmid_cp32-3	18547	BB_S31		**0.969**	± 0.4197	0.877972	**0.922**	± 0.5434	0.71297	**0.888**	± 0.3849	0.75765	**1.49**	± 0.9943	0.54545	TATTATTTTTTTCTTCACCTTCATTTACCCAATTTTTTATATTAAACAGTG
plasmid_cp32-3	18834	BB_S31		**1.759**	± 0.5607	0.03272	**1.313**	± 0.9443	0.54023	**0.716**	± 0.1912	0.13569	**0.8**	± 0.1894	0.26836	CTTATGTCAAAAGGTATGCTTTAGTTGCAGCTCTTGGTATAGAAAGTGAAA
plasmid_cp32-3	18867	BB_S31		**1.938**	± 1.8352	0.17698	**1.731**	± 1.7768	0.23249	**1.208**	± 0.9563	0.69485	**1.294**	± 0.9854	0.35604	TTTGTAACTTTAGACCCATTTTCATTGTTCCATTGTAAATTTTCTGTAGGA
plasmid_cp32-3	18959	BB_S31		**1.275**	± 0.641	0.530743	**2.498**	± 3.1868	0.49601	**1.073**	± 0.416	0.78975	**1.84**	± 0.8418	0.17185	CAGTACAAGTACTGGATATGAATTTTCTTTTGATACGCGAATTCCTACAGA
plasmid_cp32-3	18988	BB_S31		**1.726**	± 0.7154	0.030149	**1.578**	± 1.2433	0.34148	**1.039**	± 0.4405	0.88595	**0.736**	± 0.3402	0.15083	TGCCATATTGACCCTCTATAGAAATTGGATATTGCTCAATATCAAGCTCCA
plasmid_cp32-3	19006	BB_S31		**2.651**	± 1.4123	0.11202	**1.518**	± 1.2621	0.46827	**0.795**	± 0.5234	0.42563	**1.004**	± 0.4801	0.97899	TAGAAATTGGATATTGCTCAATATCAAGCTCCAAATTGTGCTTTTTAATAA
plasmid_cp32-3	19029	BB_S31		**2.831**	± 1.2991	0.053567	**1.669**	± 1.1932	0.29551	**1.094**	± 0.3884	0.19169	**1.147**	± 0.3688	0.30011	TCAAGCTCCAAATTGTGCTTTTTAATAACATTTTTAATTTCTCTAACTATT
plasmid_cp32-3	19078	BB_S31		**1.341**	± 1.2377	0.71687	**0.781**	± 0.7244	0.51707	**0.176**	± 0.2541	0.09761	**0.305**	± 0.2586	0.15422	TTTCATTGAAATTTTGATATTTATATCCATATCCTTTAAGACTTTTGTCAA
plasmid_cp32-3	19188	BB_S31		**2.667**	± 0.9468	0.037905	**1.541**	± 0.4689	0.15476	**1.088**	± 0.3972	0.20615	**1.204**	± 0.2965	0.27867	TTCAAGCAAAAATAAGCTTCAGAAAAGATATGAAAACCCTAAAAATGAATT
plasmid_cp32-3	19239	IG 148		**1.896**	± 0.6269	0.121276	**2.097**	± 2.4128	0.52602	**1.29**	± 0.9746	0.66716	**1.005**	± 0.3968	0.98089	GGAGAAAAAAGATGGAAAATCTTTCAAACAATAATAATCCACAAGAAAATA
plasmid_cp32-3	19267	IG 149		**0.965**	± 0.3555	0.81916	**0.637**	± 0.4909	0.47954	**0.854**	± 0.303	0.59396	**0.931**	± 0.4328	0.85405	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAT
plasmid_cp32-3	19325	IG 150		**0.844**	± 0.3744	0.406866	**1.335**	± 0.8764	0.61327	**0.636**	± 0.2484	0.15809	**0.546**	± 0.3117	0.16767	GCTACGTTCTCTTGTTAAAGAACTTAGCTAAGCCCATATCTTTTTTTCTTG
plasmid_cp32-3	23229	IG 151		**1.522**	± 0.8591	0.396507	**0.598**	± 0.1077	0.02529	**0.581**	± 0.2596	0.0997	**0.716**	± 0.2061	0.14993	TTGATGAAGAGTATTATTAATTAACACTTAATTTTTGCTTTTTCATAAATT
plasmid_cp32-3	23652	IG 152		**1.449**	± 0.6234	0.104482	**0.581**	± 0.6012	0.29409	**1.15**	± 0.3373	0.56498	**1.075**	± 0.7917	0.82388	GCAAAAACTATTTTTGCCAACTTTTTTTTTTACAA
plasmid_cp32-3	24049	BB_S38	*bppA*	**1.764**	± 1.3805	0.324526	**0.802**	± 0.6094	0.27937	**0.837**	± 0.893	0.63492	**0.7**	± 0.4875	0.43765	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-3	24154	BB_S38	*bppA*	**0.209**	± 0.2068	0.139145	**0.771**	± 0.7338	0.73139	**1.865**	± 1.412	0.29968	**0.78**	± 0.4394	0.39512	TCAACACCGTTGGCATATTTATTTTTATATAAAATATCAATATTATCACCG
plasmid_cp32-3	24229	BB_S38	*bppA*	**1.943**	± 1.8136	0.347218	**1.068**	± 0.9622	0.89794	**0.734**	± 0.6896	0.68776	**0.785**	± 0.4483	0.63453	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-3	24283	BB_S38	*bppA*	**2.809**	± 0.614	0.009655	**1.811**	± 0.6638	0.05012	**0.713**	± 0.641	0.54282	**0.74**	± 0.6437	0.44292	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGTAGTA
plasmid_cp32-3	24417	BB_S38	*bppA*	**3.226**	± 2.2596	0.092877	**2.13**	± 2.3631	0.37222	**0.968**	± 0.5488	0.80684	**1.157**	± 0.7125	0.2807	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-3	24462	BB_S38	*bppA*	**1.464**	± 0.9476	0.554615	**1.442**	± 1.5475	0.71922	**1.023**	± 0.6376	0.96817	**0.428**	± 0.1881	0.1665	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-3	24532	BB_S38	*bppA*	**1.626**	± 0.5673	0.150422	**0.923**	± 0.3744	0.78707	**0.83**	± 0.4531	0.38386	**0.886**	± 0.3224	0.3502	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-3	24535	BB_S38	*bppA*	**2.211**	± 1.6681	0.149532	**2.128**	± 1.9317	0.25642	**1.223**	± 0.6389	0.19999	**1.214**	± 0.592	0.32712	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-3	24765	BB_S38	*bppA*	**2.078**	± 1.4935	0.052712	**2.237**	± 1.5316	0.15428	**0.857**	± 0.8366	0.62937	**0.985**	± 0.7247	0.98156	AATAGAATCCAAAACGAAAATAAAAAAAGAGAAAAGCCCATTAAAGATAGG
plasmid_cp32-3	24838	BB_S38	*bppA*	**2.668**	± 1.7772	0.070926	**1.609**	± 1.6418	0.41451	**0.984**	± 0.5515	0.88375	**0.757**	± 0.4865	0.10967	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-3	24848	BB_S38	*bppA*	**2.025**	± 1.9635	0.293735	**1.875**	± 1.3093	0.09384	**1.008**	± 0.6475	0.98756	**1.573**	± 0.8099	0.03059	TGTATTTGTAATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTT
plasmid_cp32-3	25155	BB_S39	*bppB*	**2.927**	± 1.7496	0.208415	**2.662**	± 2.4855	0.3788	**1.223**	± 0.7201	0.67931	**1.246**	± 0.5652	0.57794	TTATACAAGTCTATTTAAGCAACGTGAATTTAATGCATATGAAATAAATAC
plasmid_cp32-3	25834	BB_S40	*bppC*	**3.150**	± 1.8333	0.089807	**1.988**	± 1.9627	0.38048	**0.877**	± 0.4259	0.1085	**1.053**	± 0.4094	0.64484	TGTGCTGTTTGGATAGCCTCGAACTCTTCTGAGTTGATGACAATTTCTCTA
plasmid_cp32-3	25927	BB_S40	*bppC*	**4.278**	± 3.0285	0.157488	**2.612**	± 3.0134	0.40975	**1.389**	± 0.7284	0.16594	**1.486**	± 0.8289	0.18894	GTATATAAAGTTTTTCCGGTTTTGCTTAAAAAAGTTGAAATATCTTGCATT
plasmid_cp32-3	25932	BB_S40	*bppC*	**1.966**	± 1.6668	0.132588	**2.237**	± 2.5832	0.32205	**1.103**	± 0.8934	0.06936	**0.704**	± 0.4266	0.41933	TAAAGTTTTTCCGGTTTTGCTTAAAAAAGTTGAAATATCTTGCATTTTTAC
plasmid_cp32-3	26109	BB_S40	*bppC*	**2.620**	± 1.5989	0.024135	**1.643**	± 1.4665	0.33472	**1.461**	± 0.9009	0.41015	**1.491**	± 0.8975	0.15436	TTTAACCCCTAAAAGTATTAAATTAATTCTAAAATGTGCCAAAACCTTAAA
plasmid_cp32-3	26686	IG 153		**1.900**	± 1.2247	0.359262	**1.878**	± 1.811	0.52016	**1.262**	± 0.7069	0.66363	**0.972**	± 0.7633	0.96502	TTAGTACTTTATGGAGTAACTTATGAATAAGAAAATGAAAAATTTAATTAT
plasmid_cp32-3	26888	BB_S41	*erpG*	**1.679**	± 1.1981	0.464543	**1.917**	± 1.7589	0.50226	**1.47**	± 0.7758	0.46996	**1.04**	± 0.3517	0.89603	CTGGTGGTGGATTAAACAGACTGTTATTAGGATCGTCACCTTGCATTAACT
plasmid_cp32-3	27039	BB_S41	*erpG*	**1.189**	± 0.9559	0.749085	**1.211**	± 1.0795	0.68369	**0.333**	± 0.2994	0.12689	**0.242**	± 0.3184	0.1407	GCCTCTTCTAATTCTTTTTTTCTTTTATCTATTTTATCCTTTAATTCTTGA
plasmid_cp32-3	27096	BB_S41	*erpG*	**0.686**	± 0.693	0.1369	**0.681**	± 0.7533	0.11174	**1.05**	± 0.9696	0.37289	**1.051**	± 0.9979	0.55881	CTGAGAAAGTTAAAAAACAAGGAAATATTGGACAAAAAGCTTTAAAGTATG
plasmid_cp32-3	27224	BB_S41	*erpG*	**1.650**	± 0.5238	0.13495	**1.183**	± 0.9015	0.71994	**0.61**	± 0.2036	0.13996	**0.838**	± 0.2798	0.33689	GATGATGCTCTTAAAAATATTGAGGAAGAACTTGAAAAGCTAGCAGAGCCT
plasmid_cp32-3	28340	BB_S44		**2.397**	± 2.3852	0.128378	**2.28**	± 3.0199	0.35163	**0.891**	± 0.6624	0.76425	**1.351**	± 0.9725	0.38969	TGTTGCATATTTTAGAGAAGGATTGTTAGATGATAGGGAAATAGCGGATAA

plasmid_cp32-3	28407	BB_S44	**1.104**	± 0.5772	0.59945	**0.525**	± 0.4284	0.41193	**1.194**	± 0.6878	0.04244	**1.23**	± 0.8479	0.13054	CCCTAGAAACCCCCAATTTATCCGCTATTTCCCTATCATCTAACAATCCTT
plasmid_cp32-3	28858	BB_S44	**1.346**	± 0.6735	0.508759	**0.558**	± 0.3247	0.07786	**1.143**	± 0.2582	0.53473	**1.364**	± 0.1946	0.06385	CTATTTTTGTAGTTGCTTTTACTTTCAGCTTCATTAGCAGTTGCAAGTTTT
plasmid_cp32-3	28880	BB_S45	**1.834**	± 0.6752	0.070023	**2.078**	± 1.3525	0.23415	**0.932**	± 0.296	0.58841	**1.09**	± 0.3373	0.41829	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-3	28955	BB_S45	**1.709**	± 0.6233	0.131215	**1.512**	± 0.9636	0.39439	**1.085**	± 0.3548	0.60464	**0.991**	± 0.3922	0.9581	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAAAACAGTTA
plasmid_cp32-3	28977	BB_S45	**1.307**	± 0.4748	0.423413	**1.515**	± 0.8256	0.3759	**1.062**	± 0.4419	0.82913	**0.891**	± 0.241	0.11279	ATTTTGATAAGTTTGAAGAAAAACAGTTAACTTTAAAACAAAAAAATGTGA
plasmid_cp32-3	29355	BB_S45	**1.045**	± 0.4809	0.629501	**0.49**	± 0.3743	0.27465	**0.967**	± 0.4251	0.57572	**1.028**	± 0.3855	0.1841	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCACCATATAGATTA
plasmid_cp32-3	29500	BB_S45	**3.151**	± 1.2245	0.057739	**1.572**	± 0.4823	0.10804	**0.806**	± 0.2326	0.06703	**0.948**	± 0.2884	0.8312	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_cp32-3	29614	BB_S45	**1.738**	± 1.1736	0.108127	**0.818**	± 0.5635	0.13508	**0.743**	± 0.4714	0.13619	**0.903**	± 0.5994	0.20047	TGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTACT
plasmid_cp32-3	29616	BB_S45	**2.086**	± 1.6988	0.054205	**1.14**	± 0.9298	0.18786	**0.747**	± 0.5326	0.39675	**0.899**	± 0.5929	0.73501	TATGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTA
plasmid_cp32-3	29694	BB_S45	**1.589**	± 0.2761	0.06704	**1.475**	± 1.0989	0.51471	**0.72**	± 0.2207	0.23478	**0.83**	± 0.4896	0.58593	TAATCATCAGTAATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATC
plasmid_cp32-3	29759	BB_S45	**1.388**	± 0.5546	0.340019	**1.747**	± 1.62	0.50661	**0.571**	± 0.3639	0.13998	**0.758**	± 0.1476	0.09515	ATGCAGTGTTATCTCCTCCAACACTAAATGCTGGGTCTAAATATGCTATTG
plasmid_cp32-3	29762	BB_S45	**4.201**	± 2.7607	0.184299	**2.214**	± 1.1129	0.20708	**2.092**	± 0.2907	0.02587	**3.218**	± 1.6849	0.14857	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-3	29787	BB_S45	**2.347**	± 1.122	0.140894	**1.313**	± 0.9443	0.64367	**0.879**	± 0.4698	0.76985	**0.754**	± 0.2556	0.24127	AGTATTATGCTTTTGTATTTCAAGACCAACGACCAGCCAATGATCCTTATA
plasmid_cp32-3	29833	BB_S45	**0.509**	± 0.3995	0.089537	**0.477**	± 0.3959	0.06799	**0.759**	± 0.3005	0.00517	**0.862**	± 0.3035	0.45928	AGGATCATTGGCTGGTCGTTGGTCTTGAAATACAAAAGCATAATACTTATC
plasmid_cp32-3	30075	BB_S45	**0.384**	± 0.532	0.15188	**0.602**	± 0.6822	0.36369	**2.457**	± 1.023	0.06223	**0.212**	± 0.1426	0.01474	GTTCTTCTGTATTTAATGATATTTATTCGTATAAGGGGGATAGCAAAACCC
plasmid_cp32-3	30180	BB_S45	**6.312**	± 2.8882	0.070814	**0.564**	± 0.5814	0.19083	**0.901**	± 1.5312	0.92658	**1.433**	± 1.2541	0.5387	TATCCTAAAGACAACATCAAATATGCTGCAGACATTGCATCAAGAGCATCA
plasmid_cp32-4	96	BB_R01	**2.278**	± 1.028	0.048352	**1.622**	± 1.3403	0.38383	**1.012**	± 0.3748	0.7817	**1.091**	± 0.4887	0.43513	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-4	274	BB_R01	**1.018**	± 0.9244	0.977042	**0.791**	± 0.8697	0.75661	**2.087**	± 1.5781	0.34369	**0.75**	± 0.5472	0.45556	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-4	279	BB_R01	**1.866**	± 0.8587	0.075154	**1.865**	± 1.5981	0.34221	**0.927**	± 0.3438	0.40011	**1.2**	± 0.5594	0.1697	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-4	333	BB_R01	**3.002**	± 1.4305	0.036258	**1.328**	± 1.1982	0.67817	**0.575**	± 0.7409	0.56806	**0.61**	± 0.5199	0.49507	ATAGATCTCGAACAACCCGTTAATATAGAATTACCTATTGGTTTTGAATAC
plasmid_cp32-4	395	BB_R01	**1.785**	± 0.3012	0.008631	**1.459**	± 0.7463	0.3815	**1.092**	± 0.1751	0.02645	**1.021**	± 0.2137	0.75811	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG
plasmid_cp32-4	398	BB_R01	**1.637**	± 0.3724	0.047274	**1.266**	± 0.6213	0.44297	**0.616**	± 0.1417	0.02338	**0.793**	± 0.1192	0.05219	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-4	399	BB_R01	**1.255**	± 0.4151	0.399386	**0.548**	± 0.388	0.13397	**1.173**	± 0.2509	0.36694	**1.148**	± 0.2733	0.44745	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-4	427	BB_R01	**3.326**	± 4.5447	0.453774	**1.157**	± 1.7266	0.8968	**1.534**	± 0.7519	0.29132	**2.043**	± 2.1551	0.49118	TGATCAAAATCAACTCCCAAATCTCTTACATATTCATAATCAAGGTATTCA
plasmid_cp32-4	432	BB_R01	**1.751**	± 1.934	0.468547	**1.999**	± 1.5724	0.27808	**0.581**	± 0.3074	0.18856	**0.715**	± 0.8784	0.52586	ACCTATAAAGTAAAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAA
plasmid_cp32-4	444	BB_R01	**2.107**	± 1.1749	0.258686	**1.39**	± 0.2681	0.01562	**1.314**	± 0.4241	0.35936	**0.825**	± 0.2667	0.51881	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-4	478	BB_R01	**1.829**	± 1.3118	0.288412	**1.288**	± 1.1767	0.75554	**0.611**	± 0.3253	0.29095	**1.266**	± 0.5304	0.31747	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-4	490	BB_R01	**2.636**	± 0.9097	0.090208	**1.281**	± 1.6475	0.81028	**0.52**	± 0.2086	0.13079	**1.11**	± 0.5172	0.75336	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-4	506	BB_R01	**3.382**	± 2.3015	0.01087	**2.169**	± 2.6571	0.35718	**1.013**	± 0.6313	0.97759	**1.198**	± 0.8709	0.18611	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-4	507	BB_R01	**1.256**	± 1.1004	0.541439	**1.286**	± 1.2096	0.38168	**1.135**	± 0.9517	0.58181	**1.433**	± 1.1962	0.22813	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-4	521	BB_R01	**2.267**	± 1.0141	0.044785	**1.205**	± 0.6987	0.72787	**1.074**	± 0.4754	0.77493	**1.343**	± 0.6074	0.2387	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-4	524	BB_R01	**2.031**	± 0.5587	5.26E-05	**1.288**	± 0.8774	0.48393	**1.453**	± 0.3832	0.13245	**1.85**	± 1.3912	0.40821	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-4	526	BB_R01	**0.892**	± 0.538	0.250274	**0.123**	± 0.1284	0.11691	**0.602**	± 0.8562	0.23565	**1.394**	± 0.9853	0.37994	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT
plasmid_cp32-4	578	BB_R01	**2.543**	± 1.6552	0.122255	**2.833**	± 2.2887	0.20836	**0.909**	± 0.5229	0.79867	**1.56**	± 0.9858	0.28439	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-4	744	BB_R01	**1.976**	± 0.8579	0.182943	**1.856**	± 1.3905	0.39415	**0.992**	± 0.2688	0.96819	**1.126**	± 0.1415	0.09025	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-4	1471	BB_R02	**3.645**	± 1.0052	0.03956	**3.05**	± 1.2454	0.10068	**2.29**	± 2.7707	0.48492	**0.993**	± 0.654	0.98452	TACTCATCACGCCTTACCTCTTTAGGGGGTTTACATTGTCTGTTTGCTCTT
plasmid_cp32-4	1568	BB_R02	**3.350**	± 2.7535	0.071277	**2.45**	± 2.7401	0.25888	**0.771**	± 0.5307	0.4992	**1.214**	± 0.8466	0.35746	TCAATTTCATTAATTCGCTCAGCCTCTAGTAACAATTGCTTTTCAACACGC
plasmid_cp32-4	2222	BB_R03	**1.148**	± 0.5293	0.132285	**0.545**	± 0.4273	0.39525	**1.083**	± 0.5727	0.33041	**1.237**	± 0.6255	0.03837	CAAGCGTGGAGTCAAGCTTAGTTTTAGTGCAGATAGTACTACAGAGCTAGA
plasmid_cp32-4	2434	BB_R03	**1.440**	± 0.9383	0.200843	**1.207**	± 0.6083	0.04314	**0.754**	± 0.307	0.26716	**0.981**	± 0.4685	0.94403	ATGCACAAGGAGAGCTTGAAAAGAATGGGGGAAATGATAAATCTGTTAATG
plasmid_cp32-4	2668	BB_R04	**3.574**	± 2.5461	0.16496	**0.805**	± 0.2745	0.31105	**1.086**	± 0.4841	0.41593	**1.172**	± 0.5326	0.16415	GGAGCAACTGGAATTTCTGATTCTAACCCTAATTGTGGATTATCATCAACA
plasmid_cp32-4	2900	BB_R04	**3.464**	± 1.3564	0.000233	**1.465**	± 0.5701	0.26248	**1.23**	± 0.8535	0.59168	**1.203**	± 0.5641	0.56655	TTCTTCTATTTTGTCTGCAAAGCTTGAACATGTAAAAGAATAAGCATTAAC
plasmid_cp32-4	3126	BB_R04	**2.507**	± 1.3124	0.041309	**1.708**	± 1.7974	0.48151	**0.727**	± 0.2845	0.37726	**0.771**	± 0.4043	0.48357	TATCCAATATTTCTCCCATTTTTATACTCGGATTTCTTGTAACAAGATACC
plasmid_cp32-4	4019	BB_R06	**1.439**	± 0.5328	0.357582	**1.708**	± 0.8883	0.23584	**0.915**	± 0.4556	0.75124	**1.085**	± 0.6273	0.80212	TTATAGGGGAAGTTAAAGATCCTATAATGTATAAATGGTTTTCGCCTGATC
plasmid_cp32-4	4043	BB_R06	**4.074**	± 3.3974	0.174359	**1.787**	± 1.3842	0.24268	**2.058**	± 0.9403	0.1125	**1.326**	± 0.744	0.40254	TAATGTATAAATGGTTTTCGCCTGATCAAATTGAAGATGTTGATCTTCAGA
plasmid_cp32-4	4215	BB_R06	**4.545**	± 3.645	0.049092	**1.885**	± 1.8177	0.07728	**1.363**	± 1.8358	0.58655	**1.153**	± 1.1266	0.00493	CTTAAAATTACAGTACAAATTTAGGCACTTAAAGCAGGCGTCTGAAAAATT
plasmid_cp32-4	4243	BB_R06	**2.607**	± 0.5646	0.026377	**1.231**	± 0.7219	0.6232	**0.831**	± 0.1313	0.21338	**1.025**	± 0.171	0.86611	AGTGCCTAAATTTGTACTGTAATTTTAAGTAATTAAGTCTTACCACTTCAG
plasmid_cp32-4	4355	BB_R06	**2.011**	± 0.6866	0.011389	**1.21**	± 0.3841	0.32654	**1.046**	± 0.4646	0.66642	**0.986**	± 0.4057	0.56496	AACTTATTAATCACTTTGTACTAACAGGCACTGTTTCAATTCAAAAAGATG
plasmid_cp32-4	4807	BB_R06	**1.099**	± 1.4271	0.870074	**1.255**	± 1.5831	0.70069	**0.463**	± 0.4662	0.03326	**0.881**	± 0.6944	0.13665	CCTACACCAAATGAACAAGTGGATAAAGATTCAACTGATATTGCTCATTCA
plasmid_cp32-4	5096	BB_R07	**0.947**	± 0.7105	0.799385	**1.197**	± 1.227	0.73637	**0.261**	± 0.1283	0.07212	**0.331**	± 0.4676	0.03874	CTTCAAGCTATTCTAGTAACACGTGGGATTGATGCTAGCTCACTTACATAT

plasmid_cp32-4	5277	BB_R07	**0.538**	± 0.3298	0.32213	**0.529**	± 0.4889	0.38801	**0.929**	± 0.598	0.90049	**0.781**	± 0.5885	0.71872	GTAGCAGTGGAGGCGAAGAAGGTGGCGAGGGGGGTTGTGGCTCAAACAAGA
plasmid_cp32-4	5407	BB_R08	**2.595**	± 0.6667	0.031707	**1.127**	± 0.6982	0.78004	**0.637**	± 0.2025	0.22784	**0.662**	± 0.1644	0.17408	ATGAATGGTGTTAGAAAAAGACTTTCTGATATGTCATTTCGTATGATCAAC
plasmid_cp32-4	5552	BB_R08	**3.656**	± 3.123	0.033976	**1.045**	± 1.0432	0.83701	**0.447**	± 0.4332	0.40329	**1.424**	± 1.6937	0.47643	AGTACACTGAATTCGCAGGAGTTATTATTGACATAAAGCCACAAGAACTTG
plasmid_cp32-4	5576	BB_R08	**1.614**	± 0.7945	0.1199	**1.606**	± 1.5366	0.46503	**0.79**	± 0.3145	0.12119	**1.148**	± 0.5841	0.35196	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_cp32-4	5643	BB_R08	**0.471**	± 0.2757	0.101936	**0.472**	± 0.4201	0.22877	**1.178**	± 0.3856	0.26935	**1.163**	± 0.4	0.29324	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACTAAAAGACCGAAT
plasmid_cp32-4	5658	BB_R08	**3.703**	± 2.3609	0.108858	**0.798**	± 0.502	0.47264	**1.025**	± 0.5725	0.89855	**1.259**	± 0.787	0.60835	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG
plasmid_cp32-4	5927	BB_R09	**2.521**	± 0.7771	0.049119	**1.363**	± 0.6166	0.3853	**0.956**	± 0.2727	0.77434	**1.085**	± 0.281	0.65259	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGG
plasmid_cp32-4	5938	BB_R09	**2.872**	± 2.0122	0.134799	**2.598**	± 2.4638	0.2777	**1.147**	± 1.0459	0.70957	**2.44**	± 1.6048	0.18768	GCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGGAATGGAGGCTA
plasmid_cp32-4	6024	BB_R09	**2.651**	± 1.3945	0.057632	**1.702**	± 1.2577	0.25738	**1.01**	± 0.3813	0.94363	**1.315**	± 0.5655	0.14739	GATAATTTTCATAGTATCTTATAAAAGCTTGTCCAATAGCCTCCATTCCCG
plasmid_cp32-4	6091	BB_R09	**2.670**	± 1.8785	0.098687	**1.036**	± 0.8768	0.87154	**1.465**	± 1.163	0.4485	**0.943**	± 0.7189	0.93302	CTACCCCTTTTAAACTTACTTTTGATTGTATTAGCCTTTAAGGCTGGAGTG
plasmid_cp32-4	6149	BB_R09	**1.726**	± 1.1499	0.358361	**1.257**	± 1.3472	0.78062	**0.514**	± 0.2058	0.14291	**0.669**	± 0.2874	0.15726	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_cp32-4	6317	BB_R10	**1.972**	± 0.4821	0.071099	**1.064**	± 0.3283	0.82052	**0.769**	± 0.2913	0.42076	**0.863**	± 0.1716	0.304	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_cp32-4	6426	BB_R10	**4.748**	± 2.7775	0.010534	**2.243**	± 1.3626	0.13362	**1.139**	± 0.7199	0.42827	**1.046**	± 0.6488	0.90088	TTGCAATAGTGTTAAACGCCAAAGACTTTGATGCTAATTCACGCATGTTAA
plasmid_cp32-4	6539	BB_R10	**3.140**	± 1.1376	0.049796	**1.764**	± 1.4059	0.39108	**0.888**	± 0.2623	0.39221	**1.036**	± 0.3043	0.61818	GACTGGGCAAAGTATACTTATGAGCTTTATTGTGTAGAAAGTCACTAAGCA
plasmid_cp32-4	6555	BB_R10	**1.953**	± 1.4691	0.114163	**1.774**	± 1.7136	0.30484	**0.841**	± 0.5443	0.24122	**1.109**	± 0.5721	0.63365	TTAATAAAATTAACTTCTACATTTACCCAACATCTAATATGCAAACAGTTG
plasmid_cp32-4	6591	BB_R10	**2.674**	± 2.4721	0.280916	**3.343**	± 4.0659	0.35171	**0.95**	± 0.8849	0.95259	**1.343**	± 1.2554	0.67745	TTAGATGTTGGGTAAATGTAGAAGTTAATTTTATTAATATATTCGGGTTGT
plasmid_cp32-4	7133	BB_R11	**2.689**	± 0.6632	0.010416	**1.218**	± 0.8454	0.63063	**0.782**	± 0.1729	0.06145	**1.075**	± 0.2818	0.64349	TAATAAATTCAAAATGCCTTCAACTTTTTTTGTATTCTCGACTAAAGAACA
plasmid_cp32-4	7197	BB_R11	**0.385**	± 0.3439	0.308704	**0.414**	± 0.5122	0.49321	**1.201**	± 1.0761	0.62542	**1.189**	± 1.0962	0.73643	GTTCTTTTATTTCTTGTTCTTTAGTCGAGAATACAAAAAAAGTTGAAGGCA
plasmid_cp32-4	7374	BB_R11	**2.832**	± 1.0729	0.093104	**2.274**	± 2.1323	0.4035	**1.001**	± 0.3695	0.9964	**1.274**	± 0.1709	0.14344	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_cp32-4	7702	BB_R11	**4.772**	± 2.0321	0.029307	**2.178**	± 2.3379	0.41985	**1.467**	± 0.4916	0.1593	**1.307**	± 0.5203	0.33582	GGAGAAAGAGTAAGACTTAAATTTTTATACTCTATTATCAGTCCTCTATCC
plasmid_cp32-4	7747	BB_R11	**1.283**	± 1.973	0.823251	**0.141**	± 0.1472	0.16001	**0.875**	± 0.7264	0.83538	**1.767**	± 1.5918	0.50904	ACTTTAGCATTAATGCTGTTGCTTTAGTAATTACTACTCAAGATATAGTTG
plasmid_cp32-4	8151	BB_R12	**2.987**	± 1.1745	0.037533	**1.71**	± 1.8339	0.54104	**1.357**	± 0.5858	0.4774	**1.093**	± 0.4134	0.56609	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-4	8229	BB_R12	**1.880**	± 0.4557	0.064362	**1.899**	± 1.6006	0.42187	**0.973**	± 0.1084	0.66233	**0.929**	± 0.1417	0.26701	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-4	8444	BB_R13	**2.171**	± 0.7727	0.125646	**2.016**	± 1.545	0.39375	**1.776**	± 0.7951	0.26015	**0.765**	± 0.3113	0.42124	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-4	8585	BB_R13	**2.986**	± 1.9519	0.18452	**1.129**	± 0.4799	0.75931	**1.516**	± 1.0088	0.44332	**1.252**	± 0.5911	0.44585	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-4	8756	BB_R14	**1.835**	± 0.5597	0.008769	**1.642**	± 1.1319	0.28087	**1.287**	± 0.4996	0.354	**1.132**	± 0.423	0.14988	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-4	8944	BB_R14	**1.455**	± 1.1907	0.63715	**0.568**	± 0.3147	0.24726	**0.797**	± 1.0512	0.57934	**0.765**	± 0.5631	0.61222	TTGTATGAATTAATTTTAAGCAAGTGAGGACTTAGTGAGCGACAAATTCAC
plasmid_cp32-4	8975	IG 154	**2.161**	± 1.1092	0.001369	**1.598**	± 1.1466	0.28828	**1.293**	± 0.7267	0.59561	**1.152**	± 0.7822	0.81409	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_cp32-4	8978	BB_R15	**2.316**	± 0.9376	0.054155	**1.764**	± 0.9135	0.24649	**1.18**	± 0.4404	0.61652	**1.18**	± 0.4516	0.51049	GTGAGCGACAAATTCACCATTAAATTTAAAGGTATTCTTGATCATGCTGCA
plasmid_cp32-4	9150	BB_R15	**2.833**	± 2.1507	0.268942	**2.514**	± 3.2492	0.48985	**0.482**	± 0.2836	0.13971	**0.764**	± 0.3372	0.46439	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-4	9696	BB_R15	**2.130**	± 0.765	0.008521	**1.185**	± 0.8057	0.54505	**0.769**	± 0.2933	0.2948	**0.929**	± 0.4441	0.30688	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-4	9777	BB_R15	**2.453**	± 0.4758	0.016207	**1.782**	± 1.2529	0.36168	**1.288**	± 0.3346	0.21551	**1.243**	± 0.1943	0.0689	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-4	9815	BB_R15	**2.255**	± 0.4894	0.028879	**1.363**	± 0.997	0.5721	**0.864**	± 0.3009	0.50363	**1.004**	± 0.3418	0.97998	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-4	10152	BB_R15	**1.401**	± 0.5774	0.030107	**1.297**	± 1.127	0.53829	**0.747**	± 0.3401	0.17739	**0.794**	± 0.3633	0.09526	ATTATTTCTTTGCAAAATTAAAATCGATGCTACCTGGATGGATGGGCGGAG
plasmid_cp32-4	10290	IG 155	**1.055**	± 1.0992	0.82445	**1.896**	± 2.8412	0.38774	**0.912**	± 1.0353	0.67522	**0.773**	± 0.7986	0.57433	ATTACCTTTTACCAAAATTATGGAGTGTTGTTAGCATTGTCTTGATTTTGA
plasmid_cp32-4	10426	BB_R16	**0.727**	± 0.9761	0.638436	**0.327**	± 0.4576	0.47202	**0.51**	± 0.8265	0.16094	**1.906**	± 2.5481	0.14836	GAATGGATCTAAAAGGTTTTGGATATGTTCCTCAATTGTTTTTTATAAAAC
plasmid_cp32-4	10510	BB_R16	**3.508**	± 1.0447	0.002927	**2.31**	± 2.2632	0.38725	**0.757**	± 0.4706	0.39277	**1.179**	± 0.5336	0.16761	GTATTGTAAGTGCGTGTTATGAGTTCGGTTTTTGGTTTTATAAAAAACAAT
plasmid_cp32-4	10596	BB_R16	**6.031**	± 2.9706	0.083895	**1.432**	± 1.2446	0.59786	**0.926**	± 0.5967	0.89028	**1.779**	± 0.6202	0.08301	TATGTTCACCAGTCATTACCGGATTGTAGCTGACATATTCCGCTTTTCTAT
plasmid_cp32-4	10597	BB_R16	**2.916**	± 1.5148	0.065464	**1.522**	± 1.1696	0.35568	**0.902**	± 0.5067	0.29462	**1.009**	± 0.3681	0.91597	TATCATTAAACGGTGGAATACTAACATCCTTATATAAGGATATGCTTTCTT
plasmid_cp32-4	10630	BB_R16	**2.300**	± 0.7251	0.087591	**1.115**	± 0.2807	0.58901	**1.091**	± 0.459	0.76551	**0.989**	± 0.1842	0.93379	TATAAGGATGTTAGTATTCCACCGTTTAATGATATATGTTCACCAGTCATT
plasmid_cp32-4	10751	BB_R16	**1.081**	± 0.6269	0.532034	**1.015**	± 0.8496	0.94246	**0.616**	± 0.3879	0.34158	**0.739**	± 0.428	0.21588	TATACTAAAAGGGACTTGTGCTTGTATTCTATTGGCTAGTTGTTCTTTTAC
plasmid_cp32-4	10754	BB_R16	**2.199**	± 1.3614	0.077849	**0.931**	± 0.8403	0.91749	**0.843**	± 0.6752	0.8102	**0.376**	± 0.24	0.1721	TAGTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTT
plasmid_cp32-4	10756	BB_R16	**2.024**	± 0.9774	0.148402	**1.886**	± 1.8141	0.44807	**1.167**	± 0.2512	0.04558	**1.149**	± 0.4009	0.37656	GTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTTTA
plasmid_cp32-4	10921	BB_R17	**1.609**	± 0.5967	0.114024	**1.35**	± 0.9107	0.42408	**0.846**	± 0.3017	0.61378	**1.294**	± 0.7099	0.33077	AAATTGAGTTCTACAATGTAGATACATCAAAAAAATCACCTGATGGAATTC
plasmid_cp32-4	10941	BB_R17	**1.875**	± 1.1551	0.059772	**1.61**	± 1.2587	0.2337	**0.829**	± 0.4404	0.28148	**1.146**	± 0.6191	0.26202	GATACATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-4	10942	BB_R17	**1.748**	± 1.0302	0.02095	**0.473**	± 0.3791	0.35514	**0.982**	± 0.5434	0.90216	**1.006**	± 0.575	0.94335	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-4	10945	BB_R17	**2.116**	± 1.4266	0.334113	**1.082**	± 0.7706	0.89545	**0.857**	± 0.3864	0.24841	**0.742**	± 0.3436	0.05935	CATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-4	11148	BB_R17	**2.009**	± 1.1812	0.225794	**1.313**	± 1.0854	0.70445	**0.42**	± 0.111	0.06473	**0.615**	± 0.3446	0.25581	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-4	11156	BB_R17	**2.253**	± 0.9425	0.081843	**1.521**	± 0.8233	0.26338	**0.965**	± 0.2118	0.73503	**1.166**	± 0.3771	0.39256	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG

plasmid_cp32-4	11480	BB_R17		**1.155**	± 0.6166	0.594832	**0.283**	± 0.2979	0.17516	**1.038**	± 0.4045	0.87848	**0.51**	± 0.3084	0.04062	TGTTCATAACGTAATAGCCGATATTGGTACTGGGTTACGGGGATATGAATG
plasmid_cp32-4	11488	BB_R17		**2.866**	± 1.2196	0.075396	**1.3**	± 1.1521	0.65847	**0.83**	± 0.3496	0.19425	**1.056**	± 0.3719	0.79391	ACGTAATAGCCGATATTGGTACTGGGTTACGGGGATATGAATGCTATCTGA
plasmid_cp32-4	12066	BB_R18		**1.569**	± 0.5153	0.107424	**1.643**	± 1.5015	0.51171	**0.597**	± 0.1603	0.01131	**1.549**	± 0.5435	0.07471	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-4	12179	BB_R18		**3.359**	± 1.6956	0.023435	**3.268**	± 3.3524	0.31486	**2.382**	± 1.7189	0.3051	**1.267**	± 0.876	0.47704	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_cp32-4	12183	BB_R18		**2.235**	± 0.8084	0.016432	**1.865**	± 1.4636	0.3179	**1.034**	± 0.2844	0.84363	**1.074**	± 0.3468	0.58606	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-4	12488	BB_R19		**2.173**	± 1.4356	0.237101	**1.032**	± 0.8968	0.96649	**0.721**	± 0.4909	0.31579	**0.704**	± 0.4765	0.57948	TTAAATACCAATTCAAAATTATTGCCTAATCTTAAATCCATACTAGTAATT
plasmid_cp32-4	12712	BB_R19		**4.306**	± 4.1841	0.191261	**1.823**	± 1.4376	0.28154	**2.241**	± 1.5424	0.023	**2.17**	± 2.0131	0.19757	CAAGACAACAAAGCACACATATCCTTTTTTTTCTCAGGCGATGTTTTGAAT
plasmid_cp32-4	12728	BB_R19		**2.621**	± 0.7543	0.007602	**1.291**	± 1.2961	0.7161	**0.777**	± 0.206	0.26912	**1.074**	± 0.7591	0.8784	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-4	12731	BB_R19		**1.785**	± 0.3304	0.010216	**1.543**	± 0.3029	0.12005	**1.056**	± 0.4257	0.78779	**1.799**	± 0.9051	0.22443	TATCCTTTTTTTTCTCAGGCGATGTTTTGAATATGGAGTTTAATTTATGAG
plasmid_cp32-4	12995	BB_R20		**1.395**	± 0.2966	0.196853	**1.045**	± 0.3201	0.82564	**1.11**	± 0.4353	0.73266	**1.531**	± 0.2307	0.02598	AGTGCCACCCGGTTTCATTTTAGAAAAAAAGAGATTAAGCTCATTAATTAT
plasmid_cp32-4	13122	BB_R20		**1.302**	± 0.7502	0.539951	**1.016**	± 0.5215	0.96508	**0.595**	± 0.5426	0.30803	**0.741**	± 0.4339	0.37256	TGTTGGCTTTACCAGCTGCACTTTTAATATTAGTGTACTCAACCCCATCAA
plasmid_cp32-4	13131	BB_R20		**1.574**	± 1.1236	0.495468	**0.319**	± 0.2005	0.17536	**0.892**	± 0.9474	0.71384	**0.284**	± 0.33	0.0542	ATTTTAAAGGAAACTTTACTAGACGATAGTAAATCTAACATTAATAGTCCT
plasmid_cp32-4	13159	BB_R20		**1.874**	± 0.4457	0.092148	**1.118**	± 0.5409	0.76217	**1.104**	± 0.1333	0.41312	**1.029**	± 0.217	0.85657	GTAAATCTAACATTAATAGTCCTGAATTTAAAGCAAAACTTTGGGAAACAT
plasmid_cp32-4	13361	BB_R20		**1.723**	± 0.9517	0.017351	**0.572**	± 0.492	0.47986	**1.017**	± 0.6176	0.64855	**0.916**	± 0.463	0.5775	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATATAAACATATTTTCTTTT
plasmid_cp32-4	13396	BB_R20		**5.735**	± 3.6029	0.150525	**2.58**	± 1.9262	0.29499	**1.187**	± 0.6078	0.67475	**2.145**	± 0.6711	0.11486	TCCCTAATTTGAGAGTCAATATTTAAGTAGAGGTAGTTTTTAAGGTCAAGT
plasmid_cp32-4	13486	BB_R20		**1.429**	± 1.1895	0.606115	**1.1**	± 1.2414	0.90269	**1.161**	± 0.2158	0.31542	**0.652**	± 0.4938	0.38807	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-4	13791	BB_R21		**2.540**	± 1.4506	0.041022	**1.503**	± 1.2157	0.29155	**0.861**	± 0.4427	0.41383	**0.938**	± 0.4515	0.82579	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-4	14041	BB_R21		**1.468**	± 1.1176	0.535763	**1.709**	± 1.884	0.56895	**0.813**	± 0.1957	0.28099	**0.887**	± 0.3674	0.63896	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_cp32-4	14484	BB_R22		**2.644**	± 0.8781	0.084823	**1.229**	± 0.626	0.55047	**1.741**	± 0.2427	0.02416	**1.519**	± 0.5082	0.18554	TCTCTTTAAAATAGCCTAGCTCTTCGCCTTTAAATGTTTGGTGATTAACGG
plasmid_cp32-4	14494	BB_R22		**5.900**	± 3.6315	0.078824	**2.687**	± 1.3582	0.08413	**1.197**	± 1.1506	0.6148	**0.896**	± 0.8034	0.58743	GATTTAATTATCTCTTTAAAATAGCCTAGCTCTTCGCCTTTAAATGTTTGG
plasmid_cp32-4	14634	BB_R22		**5.005**	± 4.507	0.236815	**3.742**	± 3.7803	0.33725	**2.32**	± 3.0382	0.54563	**0.618**	± 0.3903	0.43194	TGCTATCTGTAAGGCGCGATTTGATTTTACTAAAAAGATTTGAAAGTTTAC
plasmid_cp32-4	14721	BB_R22		**1.735**	± 0.6924	0.058535	**1.021**	± 0.5821	0.95862	**1.131**	± 0.5503	0.35564	**1.017**	± 0.4451	0.95816	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-4	14733	BB_R22		**1.981**	± 0.7925	0.032429	**0.976**	± 0.6221	0.89078	**0.918**	± 0.377	0.15899	**1.002**	± 0.6198	0.99128	CCATCAAATTTTACTTATGGCAGCATAACTAGAAGTACTACACTTTATCCT
plasmid_cp32-4	14780	BB_R22		**3.260**	± 1.4815	0.038173	**1.789**	± 1.491	0.37936	**1.237**	± 0.4799	0.07912	**1.161**	± 0.4788	0.03805	TCCTTCTGACTATGAGAATAAAGCGATATCTATTAATATGGAAGACAATGA
plasmid_cp32-4	15035	BB_R22		**2.624**	± 1.7267	0.086157	**1.334**	± 1.4348	0.57499	**0.708**	± 0.7302	0.48704	**0.698**	± 0.4023	0.31325	TATCCAAAAAAGAGCCTCCTTGTATGGAGATTCAGTCCCAGATCTTTTAAA
plasmid_cp32-4	15122	IG 156		**1.655**	± 0.6009	0.04225	**0.552**	± 0.1394	0.10275	**0.99**	± 0.4551	0.95546	**0.839**	± 0.4461	0.63192	TATCAAAATCGTAATTTTTGCTAAAAAAGCTTACAGTTTTAAAAGATCTGG
plasmid_cp32-4	15287	BB_R23	*blyA*	**2.599**	± 1.3167	0.074497	**1.621**	± 0.7888	0.1181	**0.897**	± 0.7535	0.72693	**0.712**	± 0.6672	0.2894	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-4	15305	BB_R23	*blyA*	**1.020**	± 0.3806	0.859086	**0.438**	± 0.359	0.27499	**0.927**	± 0.378	0.43741	**0.975**	± 0.4142	0.6766	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-4	15308	BB_R23	*blyA*	**2.228**	± 1.6541	0.301115	**1.586**	± 1.3622	0.22959	**1.352**	± 0.7845	0.5215	**1.639**	± 1.13	0.10067	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-4	15654	BB_R24	*blyB*	**2.002**	± 1.5178	0.078986	**2.09**	± 1.6888	0.1451	**1.177**	± 0.8147	0.50863	**1.032**	± 0.7265	0.95833	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-4	15696	BB_R24	*blyB*	**3.053**	± 2.2475	0.188319	**0.809**	± 0.3207	0.30283	**0.937**	± 0.9424	0.8695	**0.831**	± 0.4899	0.63672	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_cp32-4	15739	BB_R25		**5.537**	± 3.3858	0.058473	**1.548**	± 0.9714	0.44191	**0.341**	± 0.234	0.20386	**0.811**	± 0.688	0.65235	AGTCCTAAACCAATAGTGTTATTTTGCATTATTTGTTCTTTCCTTATAGAT
plasmid_cp32-4	15760	BB_R25		**0.791**	± 0.8031	0.523713	**0.876**	± 0.6693	0.57063	**0.613**	± 0.2118	0.11473	**0.516**	± 0.2302	0.15669	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-4	15844	BB_R25		**2.032**	± 1.5236	0.106501	**1.823**	± 2.003	0.38292	**0.8**	± 0.5296	0.16925	**1.271**	± 0.9518	0.24635	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_cp32-4	15846	BB_R25		**1.619**	± 0.7027	0.09766	**1.418**	± 0.8762	0.30164	**0.869**	± 0.382	0.56031	**1.281**	± 0.6998	0.29063	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-4	15847	BB_R25		**2.771**	± 1.4776	0.111996	**1.298**	± 0.7519	0.49252	**0.611**	± 0.2549	0.1992	**1.258**	± 0.569	0.59512	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-4	15849	BB_R25		**2.069**	± 1.003	0.083373	**1.66**	± 1.4229	0.40172	**1.054**	± 0.4705	0.7206	**1.044**	± 0.4148	0.56372	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-4	15933	BB_R25		**3.044**	± 0.8513	0.054761	**1.31**	± 1.0031	0.6453	**0.773**	± 0.0901	0.09657	**0.871**	± 0.0787	0.16045	TTATCTCAATGTTGTATTTTAAAATGTCTTGTATTTCTTCAAATATTTTAG
plasmid_cp32-4	16318	BB_R26		**1.379**	± 1.161	0.648915	**0.621**	± 1.0119	0.31626	**0.745**	± 1.0875	0.51366	**0.981**	± 0.9485	0.94433	TATTTAGAGTACATTAAAAAAACAAAACCAATAGCGGAAAAAGTCTATAAT
plasmid_cp32-4	16364	BB_R26		**1.017**	± 0.4924	0.92315	**0.595**	± 0.5674	0.23436	**1.04**	± 0.7493	0.89831	**1.106**	± 0.6193	0.17789	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-4	16428	IG 157		**1.412**	± 0.7328	0.044485	**1.447**	± 1.3969	0.537	**0.959**	± 0.5021	0.85459	**1.232**	± 0.5966	0.50922	AAATAGAATTTCTTGCAAGAAAAACCTTTTTGTAATTTACATTTTTAATTG
plasmid_cp32-4	16431	IG 158		**5.239**	± 3.049	0.054787	**4.093**	± 3.3586	0.16605	**1.337**	± 0.7915	0.60739	**1.939**	± 1.3716	0.3348	CATATAAAAATCTCTAAAGCCAATTAATCTAAAATAGTGTATAATATGACC
plasmid_cp32-4	16435	IG 159		**2.745**	± 1.8457	0.079215	**1.412**	± 1.35	0.4459	**0.794**	± 0.5015	0.32027	**0.87**	± 0.3991	0.69262	TAAAAATCTCTAAAGCCAATTAATCTAAAATAGTGTATAATATGACCATAA
plasmid_cp32-4	17440	BB_R28	*mlpD*	**2.745**	± 1.964	0.129763	**1.85**	± 1.9204	0.39009	**0.977**	± 0.6733	0.92196	**0.948**	± 0.6223	0.34864	CCTTCAAGCAGGTCGTTCAGGAGGCCCTTAAAGGGGGCATAGACGGCTTTG
plasmid_cp32-4	17557	IG 160		**2.392**	± 1.7678	0.122704	**1.298**	± 1.2029	0.5182	**1.028**	± 0.6261	0.78659	**0.638**	± 0.3171	0.22957	CCATGTAAGAATCTTGCTATGCTGCAAATATCTCATCAAACCGTTCATATT
plasmid_cp32-4	17564	IG 161		**1.901**	± 1.3435	0.015609	**2.246**	± 2.5546	0.32776	**1.62**	± 0.9961	0.19462	**1.055**	± 0.6279	0.87582	AGAATCTTGCTATGCTGCAAATATCTCATCAAACCGTTCATATTCTTTTAA
plasmid_cp32-4	17695	BB_R29		**3.193**	± 1.3825	0.039961	**1.631**	± 1.1094	0.4231	**0.974**	± 0.3258	0.90878	**1.113**	± 0.4795	0.78857	AAGGATTTACAAGATTTTGAAAAGTTTGTGGTGTTTAAGAGGACTGCTTAT
plasmid_cp32-4	17703	BB_R29		**2.480**	± 2.3036	0.170182	**2.126**	± 2.62	0.37201	**0.834**	± 0.7579	0.09458	**0.795**	± 0.6243	0.33421	TTATTTTTCTTGAAATAGTTTTTTATAATCTCCGCCCAATAGTTTATACTC
plasmid_cp32-4	17833	BB_R29		**3.996**	± 0.8908	0.024087	**1.781**	± 1.42	0.42222	**1.253**	± 0.2745	0.32119	**1.145**	± 0.3856	0.50526	TATTCTGAATAAAGCTTATTTTTTGAATAATTGAGTTTATATTATCTTTTA

plasmid_cp32-4	17871	BB_R29		**2.914**	± 1.33	0.13629	**3.224**	± 3.4817	0.38641	**1.785**	± 1.0801	0.34482	**1.813**	± 0.1896	0.01919	TAAACTCAATTATTCAAAAAATAAGCTTTATTCAGAATATAGACCCCAATA
plasmid_cp32-4	17973	BB_R29		**1.558**	± 0.6711	0.328658	**0.93**	± 0.4096	0.72468	**0.362**	± 0.2212	0.16219	**0.535**	± 0.2453	0.04763	AGCAAGAACAAAAAAAAGATAGGTTTTATTATTACGGTGTTTTTAAAGAAG
plasmid_cp32-4	18381	BB_R29		**1.922**	± 1.7674	0.400747	**1.449**	± 1.605	0.57037	**0.802**	± 0.8264	0.77462	**0.548**	± 0.2681	0.09145	AAAAAAAGATCCAAATTATGCTTATCAATAACAC
plasmid_cp32-4	18502	BB_R29		**4.676**	± 2.4326	0.015829	**3.166**	± 2.2004	0.18293	**1.813**	± 1.2785	0.38836	**1.635**	± 1.3852	0.30466	ATCAGAAACTTGCCGCGTATTGACAAAAGTCTTAAAGGGTATGGGTATAAG
plasmid_cp32-4	18594	IG 162		**1.573**	± 0.7101	0.175655	**1.733**	± 2.0152	0.56083	**1.052**	± 0.5551	0.82522	**1**	± 0.4392	0.99926	GGAGGAAAAAGATGGAAAATCTTTCAAACAATAATAATCCACAAGAAAATA
plasmid_cp32-4	18620	IG 163		**1.098**	± 0.2855	0.702226	**0.664**	± 0.5485	0.42773	**0.92**	± 0.1851	0.63872	**0.971**	± 0.3982	0.88364	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTACACAA
plasmid_cp32-4	18862	IG 164		**2.741**	± 3.1677	0.22098	**1.715**	± 2.5547	0.19388	**1.129**	± 1.527	0.5362	**0.952**	± 1.2255	0.9001	TTAATCTTATTAATTAAATACACTTTTTGTAATTTGGTAAAAAGATTTATT
plasmid_cp32-4	20242	BB_R32		**1.947**	± 0.7148	0.116317	**1.074**	± 0.316	0.53724	**0.895**	± 0.2672	0.19347	**1.098**	± 0.3412	0.40461	GATTATCATTGAGGGCCTTATTTAATGGGGAAAGGATTGTTGAAGAAACTC
plasmid_cp32-4	22145	BB_R35	*brdG*	**1.808**	± 1.6843	0.236883	**0.834**	± 0.6624	0.77584	**0.383**	± 0.2797	0.20887	**0.733**	± 0.6745	0.71323	GAAAAGAATTTTCAAAAAGATATAGATAGTGTAAATACTAAAATAGATAGT
plasmid_cp32-4	22166	BB_R35	*brdG*	**3.268**	± 0.3734	0.009274	**1.509**	± 0.5635	0.26866	**0.954**	± 0.024	0.05024	**1.225**	± 0.1891	0.19446	TATCTTTTTGAAAATTCTTTTCTACATTAATTATTTGTTGTTCTAAAGAAT
plasmid_cp32-4	22224	BB_R35	*brdG*	**2.904**	± 0.8305	0.037363	**2.195**	± 1.9143	0.42049	**1.034**	± 0.3445	0.91084	**1.098**	± 0.2423	0.41249	GATATATCTTTTTGCAAAGTTTTTTCTACACTATCTATTTTAGTATTTACA
plasmid_cp32-4	22248	BB_R35	*brdG*	**3.168**	± 1.7546	0.094201	**1.826**	± 1.9706	0.47046	**1.219**	± 0.5988	0.30107	**1.181**	± 0.3751	0.23983	TTTAAAAAAAATGAACTTAATGCAAGCAATAGAACAATACAAGTAATTCTAA
plasmid_cp32-4	22385	IG 165		**2.891**	± 2.0521	0.135041	**2.108**	± 1.168	0.06686	**1.927**	± 1.3787	0.07011	**2.353**	± 1.2843	0.12175	ATAAGTTAGTATATAGCTCTAAAGTAGAACTTATTTGAATTTTTTAACAAG
plasmid_cp32-4	22654	IG 166		**2.705**	± 4.0805	0.515013	**1.049**	± 1.7881	0.97142	**1.879**	± 1.9505	0.46347	**0.456**	± 0.5494	0.52928	CATATACATATGTATAACTAAAACTATTTTTGTCAGGCTTTTTACAGAAAT
plasmid_cp32-4	22794	IG 167		**1.159**	± 0.34	0.599018	**0.757**	± 0.6092	0.6118	**1.172**	± 0.2753	0.47595	**1.143**	± 0.6551	0.71998	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTACAAAAAA
plasmid_cp32-4	23070	BB_R36	*bppA*	**3.121**	± 1.3927	0.011884	**1.736**	± 1.088	0.11935	**0.895**	± 0.3722	0.54759	**1.229**	± 0.5309	0.16997	TTTATCTAACTTGTTTCTTTGAAGACTAAAATCAATATTTCGATTAAATCT
plasmid_cp32-4	23090	BB_R36	*bppA*	**1.155**	± 1.7024	0.4085	**1.028**	± 1.3208	0.93986	**0.207**	± 0.3119	0.23213	**1.094**	± 1.2382	0.89145	CCTACTTCACTAGCACCGTATTTATCTAACTTGTTTCTTTGAAGACTAAAA
plasmid_cp32-4	23189	BB_R36	*bppA*	**1.694**	± 1.5916	0.518543	**0.472**	± 0.5834	0.11932	**0.772**	± 1.062	0.13919	**0.621**	± 0.4916	0.50663	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGAATTTGTTAAAG
plasmid_cp32-4	23307	BB_R36	*bppA*	**0.961**	± 0.5218	0.295447	**0.547**	± 0.2641	0.06312	**0.615**	± 0.3171	0.05581	**0.759**	± 0.4042	0.32422	TTTCAAAAAAATGGGTAGTTCACAAACTTTAGTGGGCTCAACAATTGATGG
plasmid_cp32-4	23423	BB_R36	*bppA*	**2.519**	± 1.0608	0.007506	**1.295**	± 1.1149	0.46615	**0.865**	± 0.3852	0.71457	**1.09**	± 0.5774	0.68706	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGCAGTA
plasmid_cp32-4	23557	BB_R36	*bppA*	**3.171**	± 2.4859	0.076464	**2.125**	± 2.501	0.35315	**0.953**	± 0.6147	0.82779	**1.146**	± 0.8257	0.42962	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-4	23602	BB_R36	*bppA*	**1.989**	± 1.2252	0.337497	**2.159**	± 1.9603	0.45006	**1.071**	± 0.773	0.91432	**0.404**	± 0.2531	0.11759	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-4	23905	BB_R36	*bppA*	**2.483**	± 1.3235	0.067013	**2.253**	± 1.0596	0.02979	**0.927**	± 0.7895	0.76466	**1.283**	± 0.603	0.57287	AATAGAATCCAAAACGAAAATAAAAAAAGAGAAAAGCCCATTAAAGATAGG
plasmid_cp32-4	23978	BB_R36	*bppA*	**2.465**	± 1.6028	0.095744	**1.581**	± 1.5195	0.41599	**0.914**	± 0.446	0.49452	**0.776**	± 0.4443	0.07375	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-4	23981	BB_R36	*bppA*	**1.821**	± 1.2163	0.384761	**2.553**	± 2.1501	0.2699	**0.605**	± 0.3392	0.22131	**1.069**	± 0.4718	0.46125	CGAATACATATCCACTAATTGAGCAGTTAAATTATAAATTTGGAGAGTTTG
plasmid_cp32-4	24356	BB_R37	*bppB*	**1.962**	± 1.1556	0.227772	**1.478**	± 1.4089	0.61055	**0.693**	± 0.5089	0.4743	**1.049**	± 0.331	0.87046	TAGATTTATAGGACTTGGATATATTAAGAGCAATTGTTTTATTATAAATCC
plasmid_cp32-4	24409	BB_R37	*bppB*	**0.813**	± 0.4812	0.627181	**1.052**	± 0.3838	0.86272	**0.801**	± 0.2981	0.31658	**1.141**	± 0.5442	0.44151	CATGGATTTATAATAAAACAATTGCTCTTAATATATCCAAGTCCTATAAAT
plasmid_cp32-4	24534	BB_R37	*bppB*	**2.361**	± 0.7675	0.027904	**1.315**	± 0.7193	0.58697	**1.305**	± 0.459	0.2384	**1.26**	± 0.4209	0.37137	TAAAGTGATATCCATTAACCTTATCGATTTTAACTTCGCTTATTTCAAATT
plasmid_cp32-4	24535	BB_R37	*bppB*	**2.778**	± 3.4517	0.432404	**0.025**	± 0.043	0.02352	**1.659**	± 2.3786	0.64166	**1.689**	± 1.4022	0.47265	TAGCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAACCTC
plasmid_cp32-4	24537	BB_R37	*bppB*	**0.725**	± 0.3143	0.328125	**0.631**	± 0.5624	0.47126	**1.043**	± 0.31	0.72869	**1.057**	± 0.3843	0.59798	GCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAACCTCGT
plasmid_cp32-4	24822	BB_R38	*bppC*	**0.000**	± 0	0.159512	**0.34**	± 0.6468	0.4481	**0.836**	± 1.2754	0.88178	**1.776**	± 2.3372	0.62578	AATCTCTCCATCTATGTCGAAATTTATTTATTTCAAATTTGAAATCTAACG
plasmid_cp32-4	24929	BB_R38	*bppC*	**2.798**	± 2.7875	0.076079	**1.481**	± 1.7641	0.25675	**1.398**	± 1.2802	0.04844	**1.2**	± 1.0106	0.52524	TCTTTTTCAAAAGAACAAACATAAGTTTAAAGATAACCAAATTGATATTGT
plasmid_cp32-4	24975	BB_R38	*bppC*	**3.214**	± 1.8564	0.088102	**1.987**	± 2.001	0.39166	**0.885**	± 0.4372	0.08998	**1.047**	± 0.4068	0.67002	TGTGCTGTTTGGATAGCCTCGAACTCTTCTGAGTTGATGACAATTTCTCTA
plasmid_cp32-4	25068	BB_R38	*bppC*	**4.297**	± 3.1763	0.164064	**2.674**	± 3.0092	0.38709	**1.443**	± 0.8518	0.17817	**1.492**	± 0.9375	0.22788	GTATATAAAGTTTTTCCGGTTTTGCTTAAAAAAGTTGAAATATCTTGCATT
plasmid_cp32-4	25073	BB_R38	*bppC*	**2.011**	± 1.8123	0.12257	**2.319**	± 2.7459	0.30425	**1.121**	± 0.8806	0.27757	**0.757**	± 0.5101	0.53461	TAAAGTTTTTCCGGTTTTGCTTAAAAAAGTTGAAATATCTTGCATTTTTAC
plasmid_cp32-4	25284	BB_R38	*bppC*	**1.423**	± 1.0203	0.493052	**0.419**	± 0.5605	0.20355	**0.963**	± 1.2706	0.93977	**0.483**	± 0.6558	0.33527	AGAAAAAAAAATTCAAAACCAACTCCTAAGTTTTATTTGACCCCTAAAAGTA
plasmid_cp32-4	25734	IG 168		**4.574**	± 3.8543	0.220731	**1.252**	± 1.204	0.7432	**1.049**	± 0.7892	0.94196	**0.974**	± 0.9458	0.96379	TGAGTTTGATTAAAATTACATTTTAGTTTTGTAACAATGTAATTCGAAATG
plasmid_cp32-4	25826	IG 169		**1.544**	± 0.7138	0.358376	**1.273**	± 1.1324	0.6657	**0.865**	± 0.4985	0.71855	**1.444**	± 0.5007	0.14897	ATAATTGCAATATTTCAAAGATTTAAATATATAATTTTGTTACATTTCGAA
plasmid_cp32-4	25959	IG 170		**3.151**	± 2.3913	0.100162	**1.31**	± 1.579	0.62124	**0.957**	± 0.6284	0.56998	**1.006**	± 0.6097	0.97912	CTTTGCTCATCATATAAAGATAAAGTATTATTTTTACAAGAAATTATCAAA
plasmid_cp32-4	25966	IG 171		**3.223**	± 3.251	0.011284	**2.752**	± 3.3351	0.13658	**1.189**	± 1.1387	0.65256	**1.641**	± 1.8559	0.07502	GCCAATACTTTGCTCATCATATAAAGATAAAGTATTATTTTTACAAGAAAT
plasmid_cp32-4	25970	IG 172		**0.841**	± 0.6501	0.792464	**0.964**	± 0.8549	0.9638	**0.519**	± 0.4482	0.46504	**0.239**	± 0.248	0.177	CCTAGCCAATACTTTGCTCATCATATAAAGATAAAGTATTATTTTTACAAG
plasmid_cp32-4	26138	BB_R41		**3.037**	± 1.6115	0.136307	**1.481**	± 0.5908	0.15943	**0.813**	± 0.3082	0.53665	**1.041**	± 0.4255	0.88366	ATTATCGAAGTTTAGATGACATAGTTAGAGAAATTAAAAACGTTATTGATA
plasmid_cp32-4	26209	BB_R41		**3.885**	± 2.049	0.091892	**1.612**	± 1.4352	0.58666	**1.113**	± 0.4711	0.69756	**1.142**	± 0.6189	0.18712	AAAAAAGATCCAAATTATGCTTATCAATAACGTTTTTAATTTCTCTAACTA
plasmid_cp32-4	26210	BB_R41		**3.377**	± 1.1662	0.067887	**1.545**	± 1.0264	0.49955	**1.169**	± 0.1957	0.23254	**1.23**	± 0.3622	0.11316	AAAAAAAGATCCAAATTATGCTTATCAATAACGTTTTTAATTTCTCTAACT
plasmid_cp32-4	26248	BB_R41		**1.235**	± 0.8499	0.048935	**0.5**	± 0.4343	0.41909	**1.176**	± 0.9138	0.24342	**0.905**	± 0.6566	0.12876	TGCCATATTGCCCCTCTACAGAAATTGGATCTTGCGTAAAAAAAAGATCCA
plasmid_cp32-4	26261	BB_R41		**2.934**	± 2.1701	0.025852	**1.481**	± 1.5663	0.28251	**1.028**	± 0.7696	0.9568	**1.034**	± 0.6823	0.94345	ATATAATCAACTATGCCATATTGCCCCTCTACAGAAATTGGATCTTGCGTA
plasmid_cp32-4	26593	BB_R41		**3.158**	± 0.7153	0.024325	**1.453**	± 0.9512	0.48092	**0.877**	± 0.2241	0.26596	**0.985**	± 0.1553	0.9101	TTTTCAGTAAAAGAGTCAGAAATTAACAACTTTGTAAATTCAATGATTAGA
plasmid_cp32-4	26747	BB_R41		**3.233**	± 2.0998	0.201859	**1.136**	± 1.2353	0.83387	**0.727**	± 0.3192	0.35921	**0.876**	± 0.3841	0.74043	TTACATTTTTAGGAAGAGATAATACATATGCAATTTTATTAGAGGAATTTA
plasmid_cp32-4	27394	BB_R42	*erpY*	**2.759**	± 1.2595	0.079471	**1.371**	± 0.8312	0.34198	**0.857**	± 0.3179	0.02934	**1.021**	± 0.5102	0.87197	GTTTGGGGTTTAAAAATATGACTAGTGGTAATAATACTAGCGATATGACCA

plasmid_cp32-4	27963	BB_R43	**3.910**	± 0.8838	0.03014	**1.843**	± 0.8498	0.25399	**0.775**	± 1.0139	0.75089	**1.502**	± 0.2161	0.07431	TAAGAAAGGAATGCTAGAAAAATGTTTGAAAAAAATGGGAGAGAAATATTC
plasmid_cp32-4	28712	BB_R44	**2.724**	± 0.9999	0.02558	**1.496**	± 0.9514	0.30433	**0.905**	± 0.2832	0.66481	**1.098**	± 0.4358	0.27502	TGCATACTAAAATAGAAAATTTAAGAGCCGAAATTGATGCTTTAAATAAAG
plasmid_cp32-4	28956	BB_R45	**1.956**	± 0.7615	0.057894	**2.122**	± 1.4328	0.22838	**0.94**	± 0.3421	0.63787	**1.109**	± 0.371	0.24225	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-4	29031	BB_R45	**1.942**	± 0.9468	0.006709	**0.92**	± 0.9406	0.79507	**0.97**	± 0.5686	0.92466	**1.163**	± 0.6388	0.26217	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAAAAGAACAGTTA
plasmid_cp32-4	29307	BB_R45	**1.501**	± 0.7126	0.401954	**1.503**	± 1.0015	0.51499	**0.659**	± 0.2181	0.19398	**0.889**	± 0.2079	0.40548	TGTAAACTTCTTAAAATTCCTTATATCCCAAGACATACAAATAATTCATAT
plasmid_cp32-4	29320	BB_R45	**1.165**	± 1.6546	0.703046	**3.938**	± 5.9468	0.36112	**0.937**	± 1.4041	0.84462	**1.115**	± 1.3447	0.76637	AAATTCCTTATATCCCAAGACATACAAATAATTCATATATATTAATTGATT
plasmid_cp32-4	29576	BB_R45	**3.254**	± 1.3838	0.057514	**1.717**	± 0.6555	0.0833	**0.773**	± 0.2557	0.08722	**1.005**	± 0.3784	0.98848	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_cp32-4	29634	BB_R45	**1.390**	± 0.7926	0.040676	**0.492**	± 0.4144	0.36507	**1.029**	± 0.6233	0.33345	**1.092**	± 0.7482	0.49317	GCACATTATCATAAGTTGTAAAATTATATGTCTTAAATGTCGCTATATTAT
plasmid_cp32-4	29690	BB_R45	**1.727**	± 1.0953	0.099244	**0.848**	± 0.5486	0.13691	**0.758**	± 0.4674	0.0711	**0.896**	± 0.5399	0.0952	TGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTACT
plasmid_cp32-4	29692	BB_R45	**2.069**	± 1.7478	0.063017	**1.163**	± 0.9676	0.07498	**0.759**	± 0.5335	0.50798	**0.828**	± 0.5669	0.59232	TATGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTA
plasmid_cp32-4	29782	BB_R45	**2.548**	± 1.0199	0.12602	**2.251**	± 2.3715	0.47646	**1.102**	± 0.874	0.83627	**1.559**	± 0.6049	0.30359	GCCCGATAGCATATTTAGACCCAGCATTTAGTGTTGGAGGGGATAACACTG
plasmid_cp32-4	29838	BB_R45	**3.447**	± 2.2135	0.202973	**1.998**	± 1.2242	0.30939	**1.902**	± 0.2433	0.01873	**2.55**	± 1.2614	0.17972	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-4	29863	BB_R45	**2.361**	± 1.014	0.105135	**1.384**	± 0.9363	0.58099	**0.921**	± 0.4013	0.82489	**0.76**	± 0.2394	0.24295	AGTATTATGCTTTTGTATTTCAAGACCAACGACCAGCCAATGATCCTTATA
plasmid_cp32-4	29909	BB_R45	**0.507**	± 0.3987	0.097934	**0.468**	± 0.3842	0.06137	**0.732**	± 0.2881	0.01115	**0.87**	± 0.302	0.42235	AGGATCATTGGCTGGTCGTTGGTCTTGAAATACAAAAGCATAATACTTATC
plasmid_cp32-4	30151	BB_R45	**0.319**	± 0.4695	0.085684	**0.608**	± 0.7216	0.32989	**2.322**	± 1.2501	0.07583	**0.164**	± 0.1188	0.02968	GTTCTTCTGTATTTAATGATATTTATTCGTATAAGGGGGATAGCAAAACCC
plasmid_cp32-4	30256	BB_R45	**4.782**	± 2.0939	0.081841	**0.376**	± 0.4017	0.0466	**0.566**	± 0.9487	0.55342	**1.168**	± 0.8281	0.70409	TATCCTAAAGACAACATCAAATATGCTGCAGACATTGCATCAAGAGCATCA
plasmid_cp32-6	96	BB_M01	**2.324**	± 1.0453	0.043531	**1.638**	± 1.3692	0.38165	**0.989**	± 0.3846	0.80012	**1.104**	± 0.502	0.37018	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-6	274	BB_M01	**0.987**	± 1.0846	0.985607	**0.745**	± 0.8232	0.69365	**1.473**	± 1.3859	0.58339	**0.746**	± 0.5798	0.41491	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-6	279	BB_M01	**1.857**	± 0.8236	0.077203	**1.851**	± 1.7183	0.38488	**0.885**	± 0.329	0.20437	**1.304**	± 0.5949	0.19006	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-6	333	BB_M01	**3.004**	± 1.1264	0.04328	**0.926**	± 0.8339	0.9121	**0.519**	± 0.423	0.35055	**0.576**	± 0.4512	0.37083	ATAGATCTCGAACAACCCGTTAATATAGAATTACCTATTGGTTTTGAATAC
plasmid_cp32-6	395	BB_M01	**1.732**	± 0.2397	0.011129	**1.405**	± 0.7406	0.42236	**1.081**	± 0.11	0.00875	**0.956**	± 0.1446	0.61666	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG
plasmid_cp32-6	398	BB_M01	**1.682**	± 0.1936	0.019204	**1.369**	± 0.6441	0.37722	**0.72**	± 0.1609	0.09168	**0.984**	± 0.1949	0.8556	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-6	399	BB_M01	**1.191**	± 0.3756	0.499722	**0.558**	± 0.3854	0.1016	**1.109**	± 0.2817	0.59203	**1.13**	± 0.307	0.52348	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-6	444	BB_M01	**1.976**	± 1.1853	0.291953	**1.852**	± 0.7574	0.0156	**1.29**	± 0.6263	0.57016	**0.855**	± 0.3909	0.68899	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-6	478	BB_M01	**1.921**	± 1.4906	0.354671	**1.195**	± 1.0572	0.80933	**0.714**	± 0.303	0.28139	**1.191**	± 0.3388	0.1868	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-6	490	BB_M01	**2.808**	± 1.0933	0.042682	**1.408**	± 2.0221	0.7804	**0.32**	± 0.1992	0.08907	**1.003**	± 0.6394	0.99237	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-6	506	BB_M01	**3.491**	± 2.4497	0.012494	**2.117**	± 2.6599	0.37143	**1.051**	± 0.6997	0.92706	**1.239**	± 0.9126	0.14071	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-6	507	BB_M01	**1.226**	± 1.1015	0.6669	**1.166**	± 1.1837	0.6499	**1.12**	± 0.939	0.76578	**1.306**	± 1.1582	0.28856	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-6	521	BB_M01	**2.146**	± 1.0583	0.143053	**1.128**	± 0.7609	0.84706	**0.987**	± 0.4617	0.96201	**1.101**	± 0.507	0.72072	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-6	524	BB_M01	**1.876**	± 0.8147	0.06672	**1.203**	± 0.9568	0.63694	**1.134**	± 0.5399	0.14858	**1.864**	± 1.3205	0.32051	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-6	526	BB_M01	**1.116**	± 0.8665	0.709818	**0.185**	± 0.2143	0.25154	**0.836**	± 1.2777	0.57562	**1.607**	± 1.5436	0.16319	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT
plasmid_cp32-6	578	BB_M01	**2.194**	± 1.5738	0.145944	**2.55**	± 2.5459	0.28741	**0.878**	± 0.5476	0.69486	**1.39**	± 0.9524	0.17835	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-6	744	BB_M01	**1.898**	± 0.789	0.128788	**1.956**	± 1.5247	0.35209	**1.028**	± 0.2696	0.88338	**1.087**	± 0.1859	0.34913	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-6	1214	BB_M01	**1.705**	± 1.1113	0.135911	**1.861**	± 2.3428	0.40626	**1.149**	± 1.0702	0.43148	**1.08**	± 1.0651	0.69167	TAACCAGCTTATACAAAGTAGCTCATTTAATAATGAGGAGCTAGCGATGTT
plasmid_cp32-6	1410	BB_M02	**1.467**	± 0.9439	0.51485	**1.126**	± 0.8744	0.37568	**1.021**	± 0.8166	0.95686	**1.256**	± 0.7976	0.2016	CATGCGTTTTAAAGAGCAGGCAAATAGTAAATCTAAAGAGACAAGTCGAGA
plasmid_cp32-6	1626	BB_M02	**2.109**	± 1.5058	0.322479	**0.883**	± 0.6097	0.65903	**0.62**	± 0.3149	0.15029	**0.631**	± 0.9927	0.68502	TCCTTTTGCAAGTAGCACCTCTTTGTTAAAATGATTGCTAAGATGTGCTTT
plasmid_cp32-6	1631	BB_M02	**0.917**	± 1.0601	0.748214	**0.852**	± 0.9171	0.25926	**1.063**	± 1.0383	0.78034	**0.956**	± 0.9024	0.56596	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_cp32-6	1747	BB_M02	**1.231**	± 0.6386	0.295935	**0.24**	± 0.185	0.09586	**0.76**	± 0.6162	0.34044	**1.014**	± 0.5514	0.93883	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_cp32-6	1826	BB_M02	**1.691**	± 0.7531	0.156892	**1.437**	± 1.3983	0.59243	**1.109**	± 0.3	0.52956	**0.9**	± 0.1869	0.56503	GAGTCAACAGAAGAAGAATTGCTACTCGCATTTTTTCTTAATTTAATATTC
plasmid_cp32-6	1915	BB_M02	**1.301**	± 1.3135	0.743619	**1.865**	± 1.3521	0.35574	**0.992**	± 1.2895	0.99191	**0.151**	± 0.2422	0.04417	CAAGCGATAAGTAATACTTACAAGCAAAGACGAATTCAATTTTATGAAAAT
plasmid_cp32-6	1928	BB_M02	**1.324**	± 0.6124	0.464909	**1.075**	± 0.2796	0.69304	**0.706**	± 0.3186	0.28597	**0.606**	± 0.4675	0.36327	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-6	2219	BB_M03	**1.022**	± 0.6664	0.919546	**0.395**	± 0.2598	0.18044	**0.747**	± 0.4708	0.15911	**1.072**	± 0.3711	0.77795	CAAGCGTGGAGTCAAGCTTAGTTTTAGTGCAGATGGTACAACAGAACTAGA
plasmid_cp32-6	2431	BB_M03	**1.525**	± 0.9214	0.227986	**1.334**	± 0.5699	0.04982	**0.826**	± 0.2945	0.2734	**0.975**	± 0.4048	0.91164	ATGCACAAGGAGAGCTTGAAAAGAATGGGGGAAATGATAAATCTGTTAATG
plasmid_cp32-6	2665	BB_M04	**4.968**	± 3.3071	0.16346	**1.222**	± 0.3291	0.2883	**1.256**	± 0.6459	0.52082	**1.555**	± 0.6089	0.1936	GGAGCAACTGGAATTTCTGATTCTAGCCCTAATTGTGGATTATCATCAACA
plasmid_cp32-6	2897	BB_M04	**3.633**	± 1.2712	0.002802	**1.518**	± 0.5105	0.14921	**1.236**	± 0.8383	0.58474	**1.29**	± 0.5679	0.34445	TTCTTCTATTTTGTCTGCAAAGCTTGAACATGTAAAAGAATAAGCATTAAC
plasmid_cp32-6	3031	BB_M04	**0.163**	± 0.309	0.354217	**0**	± 0	0.23619	**0.089**	± 0.1797	0.29144	**0.156**	± 0.3146	0.34957	GTAGTACTGCGTATGTATTACCAATTACGAATAACTTTGAAGGGTATCTTG
plasmid_cp32-6	3082	BB_M04	**1.709**	± 1.4294	0.415744	**2.415**	± 2.3799	0.33452	**0.747**	± 0.7106	0.52411	**0.764**	± 0.3471	0.516	ACAAGATACCCTTCAAAGTTATTCGTAATTGGTAATACATACGCAGTACTA
plasmid_cp32-6	3123	BB_M04	**2.604**	± 1.2137	0.03899	**1.822**	± 1.8174	0.45562	**0.695**	± 0.2722	0.1026	**0.785**	± 0.3246	0.41393	TATCCAATATTTCTCCCATTTTTATACTCGGATTTCTTGTAACAAGATACC
plasmid_cp32-6	3748	BB_M05	**1.654**	± 0.796	0.09432	**1.172**	± 1.1488	0.85223	**1.967**	± 1.5784	0.44178	**2.027**	± 1.4505	0.37306	AATAACCCTCAAAATTATTTGTAATCGGAACAATAGTGGCTGTTTTGCTAA

plasmid_cp32-6	3934	BB_M05	**1.066**	± 0.2572	0.71318	**0.72**	± 0.5427	0.4806	**1.443**	± 0.3217	0.12316	**1.13**	± 0.7333	0.77881	CAGCTTTATTTCCAAATACTGCTACTTTTATTAAATAAACATCGTTACTAA
plasmid_cp32-6	4040	BB_M06	**3.386**	± 2.8896	0.122269	**1.482**	± 1.0934	0.0301	**1.547**	± 0.9407	0.35522	**1.041**	± 0.8028	0.87335	TAATGTATAAATGGTTTTCGCCTGATCAAATTGAAGATGTTGATCTTCAGA
plasmid_cp32-6	4240	BB_M06	**2.739**	± 0.5359	0.022708	**1.289**	± 0.7525	0.54693	**0.887**	± 0.1164	0.15805	**1.047**	± 0.1229	0.579	AGTGCCTAAATTTGTACTGTAATTTTAAGTAATTAAGTCTTACCACTTCAG
plasmid_cp32-6	4352	BB_M06	**2.019**	± 0.7081	0.0074	**1.208**	± 0.3989	0.35097	**1.035**	± 0.476	0.74875	**0.98**	± 0.406	0.57854	AACTTATTAATCACTTTGTACTAACAGGCACTGTTTCAATTCAAAAAGATG
plasmid_cp32-6	4430	BB_M06	**2.794**	± 3.6687	0.41786	**2.092**	± 1.3356	0.16586	**0.618**	± 0.7494	0.38611	**0.635**	± 0.8868	0.68938	TTGGGAAGTAGACGTTTTTGATTTTTTCCATCTTTTTGAATTGAAACAGTG
plasmid_cp32-6	4804	BB_M06	**1.174**	± 1.4617	0.7921	**1.359**	± 1.8191	0.67241	**0.536**	± 0.5786	0.00451	**0.845**	± 0.651	0.06667	CCTACACCAAATGAACAAGTGGATAAAGATTCAACTGATATTGCTCATTCA
plasmid_cp32-6	5175	BB_M07	**0.752**	± 0.6018	0.263937	**1.318**	± 1.7074	0.73956	**0.839**	± 0.5858	0.33533	**1.091**	± 0.8808	0.65528	TGGGTTGTCAATTAAGAAAACAGGGAGTTGTTCGAGAATTTGAATTTGATA
plasmid_cp32-6	5277	BB_M07	**1.645**	± 0.9376	0.127966	**1.316**	± 1.2904	0.59024	**0.907**	± 0.3632	0.67259	**0.814**	± 0.3253	0.37887	GCAGTGGAGGCGAAGAAGGCGGCGAGGGGGGTTGTGGCTCAAACAAGAATT
plasmid_cp32-6	5455	BB_M08	**1.822**	± 0.9521	0.010902	**2.026**	± 1.6623	0.25798	**0.813**	± 0.4691	0.45533	**1.022**	± 0.4471	0.94745	CGTTGATCATGCGGAAAGACATATCTGAAAGTCTTTTTCTAACACCATTCA
plasmid_cp32-6	5546	BB_M08	**0.887**	± 0.3841	0.507692	**0.672**	± 0.5196	0.11967	**0.737**	± 0.34	0.00458	**0.949**	± 0.4758	0.67617	TTTTTATCAAAAACTCTCTGATAAGAAGAATCGTTTTCAAGTTTAACAACA
plasmid_cp32-6	5618	BB_M08	**1.525**	± 0.6749	0.350529	**1.124**	± 0.7729	0.82719	**0.665**	± 0.2058	0.23691	**0.844**	± 0.272	0.55581	TCAGAGTCATAAAGCACTGCAAGTTCTTGTGGCCTTATGTCAATAATAACT
plasmid_cp32-6	5640	BB_M08	**0.503**	± 0.2898	0.1479	**0.473**	± 0.4186	0.26005	**1.108**	± 0.3484	0.38733	**1.105**	± 0.3653	0.39788	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACTAAAAGACCGCAT
plasmid_cp32-6	5652	BB_M08	**3.403**	± 4.665	0.452541	**1.006**	± 1.6838	0.99573	**1.513**	± 0.9843	0.39681	**1.023**	± 0.3845	0.9262	CACATATCAAGACCTTAACTATGAACTAAAAGACCGCATATCAATTTCGGA
plasmid_cp32-6	5655	BB_M08	**2.632**	± 2.0099	0.148373	**0.589**	± 0.5148	0.43835	**0.792**	± 0.3799	0.59583	**1.18**	± 0.5845	0.70286	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAGTCATAAAG
plasmid_cp32-6	6520	BB_M10	**1.156**	± 0.4133	0.373371	**0.687**	± 0.5014	0.2608	**0.989**	± 0.3307	0.93925	**1.023**	± 0.2806	0.71744	CTTATGGGCTTTATTGTGTAGAAAATTGCTAAGCATACCATAAAGCATTAA
plasmid_cp32-6	7167	BB_M11	**1.816**	± 0.6101	0.10664	**1.823**	± 1.563	0.46236	**0.676**	± 0.0974	0.01614	**0.84**	± 0.4402	0.6008	TTCTCAACTAAAGAACAAGAAATAAAAGAACTATTTAAAGATAAAGGCAAT
plasmid_cp32-6	7255	BB_M11	**2.445**	± 1.0189	0.004922	**3.511**	± 3.3392	0.2533	**2.113**	± 0.819	0.10212	**2.264**	± 1.1262	0.17878	ATAAAGACAATTTACACCTCAAATTTATAAGTCAATATTTACATCAAGCTA
plasmid_cp32-6	7498	BB_M11	**1.863**	± 1.972	0.256528	**1.116**	± 1.3755	0.77112	**1.039**	± 1.1067	0.92575	**1.267**	± 0.836	0.53206	CATACCACTATATAAAAAATGAAGCGATTATTGAGCTTATTAGAATTTGGA
plasmid_cp32-6	7738	BB_M11	**2.356**	± 0.653	0.049517	**2.538**	± 1.1637	0.15653	**1.287**	± 0.4098	0.30981	**1.247**	± 0.6089	0.36323	ATATTCACGCTAAGTTCTAATTTAAGTTGTGGCGTAGGAGAAAGAGTAAGC
plasmid_cp32-6	7747	BB_M11	**1.560**	± 2.043	0.647841	**0.104**	± 0.1591	0.08904	**0.816**	± 0.2974	0.32035	**1.595**	± 0.9596	0.3874	ACTTTAGCATTAATGCTGTTGCTTTAGTAATTACTACTCAAGATATAGTTG
plasmid_cp32-6	7979	BB_M12	**1.960**	± 0.9746	0.129873	**2.003**	± 1.9024	0.39426	**1.1**	± 0.5051	0.61682	**1.049**	± 0.4399	0.59726	AGAGATCCCAAAACAATAACTTATGTTTTCAACATTGAAGTGACACTAGGT
plasmid_cp32-6	8151	BB_M12	**2.914**	± 1.0327	0.028335	**1.616**	± 1.7162	0.54503	**1.399**	± 0.5423	0.38369	**1.109**	± 0.3257	0.54773	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-6	8229	BB_M12	**1.841**	± 0.5055	0.093624	**1.829**	± 1.4944	0.43095	**0.94**	± 0.1114	0.44078	**0.909**	± 0.1556	0.33183	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-6	8280	IG 173	**1.733**	± 1.4581	0.512244	**0.556**	± 0.8512	0.59875	**0.98**	± 0.9603	0.97977	**0.603**	± 0.2707	0.28617	ATAAGAATCTCCTTTTAAGAGTTGTTTGGTTTAGATTTTTGGCAATTAATA
plasmid_cp32-6	8444	BB_M13	**1.872**	± 0.5809	0.148858	**1.757**	± 1.2318	0.40639	**1.619**	± 0.6386	0.19304	**0.811**	± 0.5037	0.58545	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-6	8585	BB_M13	**2.870**	± 1.6848	0.194005	**1.248**	± 0.3009	0.24949	**1.571**	± 0.4961	0.19695	**1.285**	± 0.3916	0.35315	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-6	8655	BB_M13	**2.096**	± 0.8803	0.077899	**1.232**	± 0.8744	0.615	**0.966**	± 0.5906	0.89049	**1.316**	± 0.6759	0.43683	TTAATGAAAATTTTGATTATGAAAAAGTAGCCACTTCACTTTCATCAAGTA
plasmid_cp32-6	8756	BB_M14	**1.841**	± 0.4044	0.029949	**1.909**	± 1.6956	0.40388	**1.273**	± 0.5169	0.50187	**1.078**	± 0.2585	0.03615	TTGATAAAGCTATTGCAAGTCTTAATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-6	8835	BB_M14	**2.675**	± 2.9455	0.365827	**2.515**	± 3.4157	0.52969	**2.357**	± 4.1416	0.49903	**2.811**	± 3.4684	0.38048	ATATTTGTCGTTCTTAATCTCGTCAAGCAAGTTAAAATATTTTTTTCTAGT
plasmid_cp32-6	8978	BB_M15	**2.046**	± 1.0923	0.186471	**1.908**	± 0.8549	0.13543	**0.926**	± 0.2307	0.73164	**0.921**	± 0.3083	0.71967	GTGAGCGACAAATTCACCATTAAATTTAAAGGGATTCTTGATCATGCTGCA
plasmid_cp32-6	9111	BB_M15	**1.302**	± 0.1289	0.046792	**1.418**	± 1.011	0.56745	**0.622**	± 0.369	0.22059	**1.081**	± 0.3693	0.74256	TCTTTAGTGCTTCCCAAACTGGAGTTTCTGGGTTTAAGATATTTTTCCATT
plasmid_cp32-6	9675	BB_M15	**2.277**	± 0.8114	0.005887	**1.172**	± 0.8256	0.57784	**0.827**	± 0.2946	0.45927	**0.97**	± 0.44	0.41307	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-6	9756	BB_M15	**2.513**	± 0.4877	0.023592	**1.838**	± 1.2181	0.33735	**1.315**	± 0.3222	0.20348	**1.238**	± 0.1544	0.06078	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-6	9794	BB_M15	**2.354**	± 0.503	0.029753	**1.455**	± 0.9691	0.47096	**0.842**	± 0.256	0.26154	**1.081**	± 0.3838	0.70023	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-6	10131	BB_M15	**1.401**	± 0.6073	0.009241	**1.295**	± 1.0878	0.51131	**0.79**	± 0.3646	0.17927	**0.802**	± 0.358	0.18001	ATTATTTCTTTGCAAAATTAAAATCGATGCTACCTGGATGGATGGGCGGAG
plasmid_cp32-6	10660	BB_M16	**1.228**	± 0.8778	0.508983	**1.94**	± 1.5203	0.27592	**0.719**	± 0.6321	0.21698	**0.719**	± 0.6404	0.18855	TGTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_cp32-6	10696	BB_M16	**1.710**	± 0.7615	0.237158	**0.945**	± 0.9193	0.92656	**0.957**	± 0.8242	0.93596	**0.82**	± 0.6012	0.64965	TATAAGGATGTTAGTATTCCCCCGTTTAATGAGATATGTTCACCAGTCATT
plasmid_cp32-6	10697	BB_M16	**0.883**	± 0.9271	0.454693	**1.032**	± 0.996	0.904	**0.448**	± 0.3184	0.14745	**1.992**	± 1.7766	0.26484	TAAGGATATGATTTCTTTACTCAAAATGACTGTTTTTGGCAATACTATGCT
plasmid_cp32-6	10817	BB_M16	**1.143**	± 0.619	0.131527	**0.982**	± 0.858	0.93427	**0.67**	± 0.4435	0.43302	**0.77**	± 0.4049	0.31818	TATACTAAAAGGGACTTGTGCTTGTATTCTATTGGCTAGTTGTTCTTTTAC
plasmid_cp32-6	10820	BB_M16	**2.546**	± 1.1758	0.081967	**1.106**	± 0.9937	0.87905	**0.814**	± 0.9182	0.79377	**0.608**	± 0.2072	0.16231	TAGTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTT
plasmid_cp32-6	10822	BB_M16	**2.010**	± 0.9285	0.148569	**1.977**	± 1.8269	0.41915	**1.235**	± 0.2426	0.1125	**1.13**	± 0.4067	0.5493	GTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTTTA
plasmid_cp32-6	10987	BB_M17	**1.603**	± 0.6691	0.181038	**1.349**	± 0.8806	0.32341	**0.973**	± 0.4089	0.94022	**1.513**	± 0.8962	0.21009	AAATTGAGTTCTACAATGTAGATACATCAAAAAAATCACCTGATGGAATTC
plasmid_cp32-6	11007	BB_M17	**1.907**	± 1.1885	0.057226	**1.608**	± 1.2902	0.24589	**0.865**	± 0.4694	0.34704	**1.156**	± 0.6508	0.22096	GATACATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-6	11008	BB_M17	**1.753**	± 1.0146	0.017813	**0.473**	± 0.3787	0.35403	**0.986**	± 0.5325	0.92692	**1.004**	± 0.5684	0.96442	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-6	11011	BB_M17	**2.049**	± 1.4752	0.376369	**1.334**	± 0.8259	0.58185	**0.922**	± 0.285	0.4472	**0.815**	± 0.3222	0.46569	CATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-6	11214	BB_M17	**1.648**	± 0.8635	0.359461	**1.137**	± 1.2192	0.84982	**0.471**	± 0.2022	0.12457	**0.694**	± 0.2663	0.09179	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-6	11222	BB_M17	**2.196**	± 0.8399	0.089212	**1.469**	± 0.8874	0.3855	**0.927**	± 0.2459	0.56773	**1.138**	± 0.2828	0.48205	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG
plasmid_cp32-6	11284	BB_M17	**0.759**	± 0.9701	0.691328	**0.42**	± 0.7451	0.29598	**0.285**	± 0.1993	0.05387	**0.912**	± 0.7337	0.74538	GGAGGTCCTAAAGTTCCTGCCATTATGAAATCAAAATTTTTTTCATGAGCA
plasmid_cp32-6	11546	BB_M17	**3.011**	± 3.146	0.334373	**3.247**	± 2.8361	0.26239	**2.054**	± 1.946	0.41253	**1.667**	± 0.7514	0.24815	TGTTCATAACATAATAGCCGATATTGGTACTGGTTTACGGGGATATGAATG

plasmid_cp32-6	12132	BB_M18		**1.603**	± 0.6365	0.242918	**1.484**	± 1.3342	0.60877	**0.747**	± 0.3675	0.13387	**1.303**	± 0.4094	0.11198	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-6	12245	BB_M18		**3.289**	± 1.2286	0.006266	**3.191**	± 2.855	0.28899	**2.397**	± 1.5516	0.28141	**1.214**	± 0.7752	0.50067	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_cp32-6	12246	BB_M18		**1.185**	± 0.5081	0.597206	**1.408**	± 0.635	0.23226	**1.311**	± 0.7803	0.54083	**1.298**	± 0.8297	0.64994	AGTATATAAAAATGATGTTTGTCAAAGTGAATATCGTTATTTTTATCAAAA
plasmid_cp32-6	12249	BB_M18		**2.332**	± 0.9117	0.014217	**2.066**	± 1.6053	0.26094	**1.14**	± 0.3512	0.529	**1.239**	± 0.4252	0.10206	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-6	12547	BB_M19		**2.933**	± 3.0541	0.171582	**1.226**	± 1.5187	0.22212	**2.065**	± 3.067	0.5729	**0.752**	± 0.9747	0.46174	CCAATTCGAAATTATTGCCTAATCTTAAATCCATACTAGTAATTATACCAT
plasmid_cp32-6	12794	BB_M19		**2.713**	± 0.7391	0.015493	**1.509**	± 1.2633	0.51139	**0.831**	± 0.2589	0.39216	**1.006**	± 0.7488	0.98989	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-6	12797	BB_M19		**1.809**	± 0.3752	0.033195	**1.628**	± 0.43	0.13632	**1.068**	± 0.4378	0.81338	**1.87**	± 0.9579	0.2458	TATCCTTTTTTTTCTCAGGCGATGTTTTGAATATGGAGTTTAATTTATGAG
plasmid_cp32-6	13061	BB_M20		**1.305**	± 0.1929	0.133478	**1.133**	± 0.4306	0.69011	**1.112**	± 0.5264	0.73739	**1.333**	± 0.2088	0.00585	AGTGCCACCCGGTTTCATTTTAGAAAAAAAGAGATTAAGCTCATTAATTAT
plasmid_cp32-6	13128	BB_M20		**1.163**	± 1.1436	0.467358	**1.412**	± 1.5971	0.34078	**0.722**	± 0.6728	0.55375	**1.043**	± 0.9274	0.91975	AAGCAGTGCGAACCGCGCTGTAAGTTGTGCTTTTAGAAGAAATGTGTTCTT
plasmid_cp32-6	13225	BB_M20		**1.165**	± 0.4031	0.530216	**0.831**	± 0.281	0.51765	**0.643**	± 0.3646	0.16737	**0.787**	± 0.119	0.12877	GTAAATCTAATATTAATAGTCCTAAATTTAAAGCAAAACTTTGGGAGACAT
plasmid_cp32-6	13427	BB_M20		**1.855**	± 1.0617	0.017967	**0.607**	± 0.5359	0.53354	**1.084**	± 0.7211	0.36403	**0.931**	± 0.4914	0.63938	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATATAAACATATTTTCTTTT
plasmid_cp32-6	13462	BB_M20		**5.445**	± 3.6686	0.155181	**2.488**	± 2.0218	0.30343	**1.082**	± 0.6439	0.7998	**2.26**	± 0.8682	0.08169	TCCCTAATTTGAGAGTCAATATTTAAGTAGAGGTAGTTTTTAAGGTCAAGT
plasmid_cp32-6	13469	BB_M20		**1.104**	± 0.6961	0.511493	**0.318**	± 0.2613	0.20152	**1.211**	± 0.7046	0.23543	**0.949**	± 1.0249	0.88436	TTCTAGGATTATTTCAAATAACTATTCTGATATGGGAATCAGCTTTGAATA
plasmid_cp32-6	13552	BB_M20		**1.216**	± 1.0072	0.741863	**0.933**	± 0.8376	0.90322	**0.892**	± 0.1065	0.24482	**0.608**	± 0.5205	0.32833	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-6	13696	BB_M20		**1.616**	± 0.8634	0.030825	**1.754**	± 2.015	0.46958	**1.04**	± 0.4861	0.81484	**1.212**	± 0.851	0.67637	GATTGCTTATTGATATTGGATAGTTAACAAATATGAAAATACCCAATCTTT
plasmid_cp32-6	13857	BB_M21		**2.778**	± 1.5368	0.058389	**1.604**	± 1.2927	0.31298	**0.841**	± 0.3929	0.27319	**0.918**	± 0.389	0.71849	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-6	14107	BB_M21		**1.643**	± 1.196	0.468706	**1.606**	± 1.5554	0.58406	**0.877**	± 0.129	0.35658	**1.045**	± 0.3814	0.87819	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_cp32-6	14299	BB_M21		**1.639**	± 0.854	0.002648	**0.358**	± 0.2751	0.23388	**0.85**	± 0.4848	0.32362	**0.958**	± 0.5979	0.82823	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-6	14308	BB_M21		**1.681**	± 0.167	0.015907	**1.206**	± 0.3884	0.38912	**1.029**	± 0.1917	0.8548	**1.189**	± 0.7101	0.66665	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-6	14439	BB_M22		**0.866**	± 0.4503	0.709604	**0.447**	± 0.5106	0.41795	**0.906**	± 0.6723	0.75624	**1.033**	± 0.6609	0.89011	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA
plasmid_cp32-6	14467	BB_M22		**0.944**	± 1.0243	0.943232	**0.65**	± 0.6364	0.59095	**0.193**	± 0.2907	0.22149	**1.629**	± 2.0531	0.6476	CTGCTTGCAGCTCCATCATCAAGCAGTAAAAGATCAGTATCGTTAACGGTC
plasmid_cp32-6	14635	BB_M22		**2.004**	± 1.1816	0.085073	**1.655**	± 1.6066	0.41522	**0.932**	± 0.4626	0.28769	**0.986**	± 0.5023	0.62425	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_cp32-6	14695	BB_M22		**1.217**	± 0.6506	0.617315	**0.879**	± 1.1862	0.8187	**0.706**	± 0.4453	0.16787	**1.069**	± 0.6221	0.59958	TCTGTAAGGCGTGATTTAATTTTACTAAAAAGGTTAGAAATATTAGTAGAA
plasmid_cp32-6	14787	BB_M22		**1.989**	± 0.7059	0.045142	**1.048**	± 0.514	0.90226	**1.159**	± 0.4304	0.08843	**0.894**	± 0.442	0.78272	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-6	14790	BB_M22		**2.840**	± 2.7785	0.278782	**2.628**	± 2.9003	0.32561	**1.217**	± 1.4288	0.64296	**0.753**	± 0.8667	0.65066	CTTGGAGTACCATCAAATTTTGCTTATGGCAGAACTAGAAGTACTACACTT
plasmid_cp32-6	14881	BB_M22		**0.981**	± 0.5103	0.957026	**1.184**	± 1.0291	0.49875	**0.917**	± 0.589	0.83926	**0.525**	± 0.6328	0.48382	TGGAATACAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATT
plasmid_cp32-6	14888	BB_M22		**1.614**	± 0.2355	0.004848	**1.585**	± 0.8942	0.30312	**1.157**	± 0.2325	0.18124	**1.014**	± 0.3637	0.95782	CAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATTCTCCCGT
plasmid_cp32-6	14977	BB_M22		**2.129**	± 0.9476	0.073009	**2.627**	± 1.3086	0.04302	**1.072**	± 0.6759	0.90223	**1.044**	± 0.4458	0.81583	TTATCATTGATTTTTACTTGAATTTCAATATCAAGATAAACGGGAGAATTA
plasmid_cp32-6	15066	BB_M22		**1.075**	± 0.8782	0.566284	**0.259**	± 0.2826	0.27553	**1.216**	± 1.2468	0.47616	**1.071**	± 0.695	0.83989	TTCACCAGAATTCCCATTTATAAAGGATGGTATGTCCAAAAAAGAGTCTCC
plasmid_cp32-6	15083	BB_M22		**2.243**	± 1.0966	0.063299	**1.654**	± 1.6344	0.50109	**0.918**	± 0.4261	0.70667	**0.938**	± 0.8837	0.90058	AATGGGAATTCTGGTGAATAGTCCGCGGGGGCCCGCAATTTCATAAACCCT
plasmid_cp32-6	15186	IG 174		**1.951**	± 1.5527	0.233288	**2.227**	± 2.4025	0.37261	**0.948**	± 0.5355	0.79971	**1.168**	± 0.6036	0.29813	TATACCAAAATCATAATTTTTGCTAAAAAGTTTACAGTTTTAAAAGATCTG
plasmid_cp32-6	15194	IG 175		**2.837**	± 0.3192	0.009485	**1.813**	± 0.9819	0.28866	**1.06**	± 0.0753	0.22873	**1.268**	± 0.0694	0.01096	CGTATAAAAATAAAAAATTAAAATGAAGGATTAAAAAATGGATACTATTAA
plasmid_cp32-6	15351	BB_M23	*blyA*	**2.307**	± 1.3339	0.086939	**1.527**	± 0.8461	0.0616	**0.855**	± 0.6516	0.31323	**0.718**	± 0.7524	0.31206	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-6	15369	BB_M23	*blyA*	**1.014**	± 0.3743	0.878378	**0.444**	± 0.3661	0.27385	**0.925**	± 0.35	0.38456	**0.975**	± 0.3907	0.61864	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-6	15372	BB_M23	*blyA*	**2.482**	± 1.8853	0.280535	**1.786**	± 1.6155	0.24947	**1.607**	± 0.9953	0.36082	**1.748**	± 1.153	0.05037	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-6	15457	BB_M24	*blyB*	**2.564**	± 1.7513	0.269575	**3.397**	± 3.4579	0.34886	**0.818**	± 1.0216	0.78583	**0.81**	± 0.4769	0.52848	ATGTTGAGCTTGGACTTACGTCTTTATCAACCCTTATTGATATATTTTCTA
plasmid_cp32-6	15718	BB_M24	*blyB*	**1.715**	± 1.1157	0.088693	**1.847**	± 1.3371	0.15197	**0.897**	± 0.6484	0.74945	**1.02**	± 0.6774	0.97228	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-6	15824	BB_M25		**0.836**	± 0.6493	0.479892	**1.049**	± 0.7413	0.85917	**0.724**	± 0.2254	0.17466	**0.561**	± 0.2346	0.1843	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-6	15908	BB_M25		**2.113**	± 1.7968	0.104636	**1.947**	± 2.198	0.32287	**0.708**	± 0.4438	0.39873	**1.242**	± 1.0319	0.15968	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_cp32-6	15910	BB_M25		**1.798**	± 0.7695	0.045327	**1.51**	± 0.9555	0.24974	**0.849**	± 0.4406	0.48695	**1.538**	± 0.8659	0.17863	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-6	15911	BB_M25		**2.813**	± 1.4349	0.092413	**1.279**	± 0.7758	0.50239	**0.657**	± 0.231	0.21305	**1.424**	± 0.7315	0.49572	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-6	15913	BB_M25		**2.055**	± 1.0391	0.093995	**1.715**	± 1.4998	0.3933	**1.102**	± 0.5028	0.50519	**1.065**	± 0.4237	0.38833	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-6	15997	BB_M25		**2.796**	± 0.9309	0.07001	**1.218**	± 1.0254	0.73641	**0.739**	± 0.1144	0.12063	**0.769**	± 0.1336	0.18381	TTATCTCAATGTTGTATTTTAAAATGTCTTGTATTTCTTCAAATATTTTAG
plasmid_cp32-6	16164	BB_M26		**2.009**	± 1.7089	0.248057	**1.105**	± 0.5849	0.77325	**0.524**	± 0.3548	0.16464	**0.628**	± 0.3468	0.4059	ACCTACCAGAAGAGCCAAAACCGCCAATTATTCAAACACTAAAATCTTTAG
plasmid_cp32-6	16428	BB_M26		**1.099**	± 0.6099	0.736932	**0.592**	± 0.5987	0.29296	**1.152**	± 0.9377	0.72427	**1.16**	± 0.7554	0.1808	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-6	16490	IG 176		**1.839**	± 0.5022	0.040547	**1.454**	± 0.8798	0.38939	**0.994**	± 0.2684	0.91872	**1.201**	± 0.3809	0.23837	CTTTATAATTAAATTGGCTTTTACAACAGAAGAAAATCTAGATATTAAATT
plasmid_cp32-6	16589	IG 177		**0.572**	± 0.458	0.00138	**0.613**	± 0.6059	0.0517	**1.07**	± 0.6889	0.47635	**1.03**	± 0.6464	0.58399	CTAATTAATTAGTGCCCTCTTCGAGGAACTTTATTACTTTGTCTATCTGTT
plasmid_cp32-6	16733	BB_M27	*revA*	**1.829**	± 0.8656	0.142129	**1.411**	± 1.0098	0.38732	**0.795**	± 0.4961	0.58272	**0.83**	± 0.414	0.67845	TTTTTCTTTTTGAAATATCCTGATCCTTGTCAGTAATGTTTTCAATGGTAT
plasmid_cp32-6	16768	BB_M27	*revA*	**1.227**	± 0.7736	0.711697	**0.988**	± 0.5483	0.93023	**0.745**	± 0.26	0.26838	**0.882**	± 0.3439	0.73089	ATGTTTTCAATGGTATTTTTAGCTGCTTTTAACGCTGCTAATTTGGCCGCT

plasmid_cp32-6	17006	BB_M27	*revA*	**1.293**	± 1.0182	0.404052	**0.955**	± 0.6821	0.88836	**0.661**	± 0.4957	0.33046	**1.113**	± 0.7975	0.80795	CATATGCTTTACAAGCCATTACAAATAACATTGATGCAAAAAATAATTTAA
plasmid_cp32-6	17289	BB_M28	*mlpF*	**1.840**	± 1.7804	0.481276	**1.43**	± 0.859	0.16039	**0.72**	± 0.4078	0.37389	**1.494**	± 0.9408	0.5159	GTAGTAGTAAAAATAAACAAAATAATATGTTGATGATTTTCATTGTTATTT
plasmid_cp32-6	17806	BB_M29		**1.698**	± 0.7309	0.074435	**1.324**	± 0.7962	0.40399	**0.726**	± 0.3951	0.14842	**1.018**	± 0.5521	0.93843	TAAACGTCTCGATTATCAGACATAAATACTTTAAGCTTATTTAGATCATCA
plasmid_cp32-6	17993	BB_M29		**0.997**	± 0.4498	0.986386	**0.875**	± 0.486	0.62291	**0.883**	± 0.3941	0.74929	**1.477**	± 1.0531	0.57653	TATTATTTTTTTCTTCACCTTCATTTACCCAATTTTTTATATTAAACAGTG
plasmid_cp32-6	18286	BB_M29		**1.041**	± 0.5602	0.706544	**1.021**	± 0.4878	0.962	**1.411**	± 0.4737	0.19378	**1.011**	± 0.3821	0.94075	GCTGCACCAACAAGTTGTGGCATTGTATTCAAATTTTTAGACCCATTTTCA
plasmid_cp32-6	18593	BB_M29		**1.788**	± 1.3136	0.203624	**1.464**	± 1.608	0.56621	**0.907**	± 0.4538	0.80282	**1.089**	± 0.4886	0.62202	AGAATGAACTTGCCACGTATTGACAAAAGTCTTAAAGGATACGGATATAAG
plasmid_cp32-6	22252	BB_M34	*bdrK*	**0.988**	± 1.7351	0.960386	**2.726**	± 4.5857	0.19626	**1.493**	± 2.0229	0.65352	**1.953**	± 2.6291	0.16046	GAGAAGAATTTGCAAAAAGACATATCTAATTTAGATGCCAAAATAGACAAT
plasmid_cp32-6	22277	BB_M34	*bdrK*	**1.882**	± 1.7827	0.338416	**1.453**	± 1.4291	0.48863	**1**	± 0.5867	0.99943	**0.786**	± 0.3586	0.57741	GATATGTCTTTTTGCAAATTCTTCTCTATATCAATTATTTTCTCTTTTAAA
plasmid_cp32-6	22369	BB_M34	*bdrK*	**1.072**	± 0.6396	0.696979	**0.768**	± 0.8953	0.54387	**0.423**	± 0.2598	0.25525	**1.065**	± 0.8342	0.92435	AGCTCTTTTCTACATTGTCTATTTTGATATTCAAACCATCTATTTTTAAAT
plasmid_cp32-6	22800	IG 178		**1.625**	± 0.7551	0.203536	**1.631**	± 0.8574	0.06729	**0.969**	± 0.7728	0.92982	**1.334**	± 0.6152	0.29678	ACTTATTACTTTATAAAATTTTAATCATTCTTAATTTAAAAAATACTTATT
plasmid_cp32-6	22896	IG 179		**1.796**	± 0.7684	0.221947	**1.548**	± 1.6258	0.61281	**1.043**	± 0.418	0.87369	**0.865**	± 0.3538	0.63295	GAATTAAAATTATTTTGTATTTGTTAAAATAAAAGAACCTATTTAAATTCT
plasmid_cp32-6	23064	IG 180		**1.601**	± 1.5777	0.170363	**0.624**	± 0.6001	0.57508	**0.82**	± 0.6709	0.63936	**0.906**	± 0.6682	0.87481	CATATACATATGTATAACAAAAACTATTTTTGTCAGGCTTTTTACAGAAAT
plasmid_cp32-6	23066	IG 181		**2.617**	± 2.127	0.261963	**3.33**	± 3.4629	0.31636	**0.716**	± 0.4217	0.08748	**1.708**	± 1.1633	0.29561	TACATATACATATGTATAACAAAAACTATTTTTGTCAGGCTTTTTACAGAA
plasmid_cp32-6	23067	IG 182		**0.555**	± 0.4395	0.383451	**0.367**	± 0.6684	0.48115	**0.549**	± 0.4737	0.42463	**0.716**	± 0.6469	0.25231	TAGCTAAAAAAAATATATTGCTATCAAAAAAAATCCAATTAAGTTGGGTTTAG
plasmid_cp32-6	23069	IG 183		**0.944**	± 0.4984	0.844812	**0.53**	± 0.4476	0.43154	**1.092**	± 0.8265	0.72633	**1.376**	± 0.9287	0.14505	GCTAAAAAAAATATATTGCTATCAAAAAAAATCCAATTAAGTTGGGTTTAGCT
plasmid_cp32-6	23204	IG 184		**1.077**	± 0.2404	0.498203	**0.619**	± 0.3765	0.25387	**0.959**	± 0.2203	0.83313	**0.935**	± 0.4132	0.693	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAATTTTTACAAAAAAA
plasmid_cp32-6	23595	BB_M35	*bppA*	**0.060**	± 0.1058	0.008006	**1.16**	± 1.0441	0.84471	**0.371**	± 0.3694	0.16934	**0.594**	± 0.6169	0.46681	TATATGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-6	23599	BB_M35	*bppA*	**1.005**	± 0.6916	0.980007	**0.665**	± 0.6419	0.4269	**0.73**	± 0.9543	0.63648	**0.514**	± 0.3742	0.33091	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-6	23704	BB_M35	*bppA*	**0.176**	± 0.1956	0.20606	**0.679**	± 0.7443	0.70303	**2.067**	± 1.9043	0.25205	**0.585**	± 0.5003	0.19762	TCAACACCGTTGGCATATTTATTTTTATATAAAATATCAATATTATCACCG
plasmid_cp32-6	23779	BB_M35	*bppA*	**2.531**	± 2.5861	0.302635	**1.197**	± 0.916	0.59571	**1.021**	± 0.8831	0.97455	**0.977**	± 0.5967	0.96607	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-6	23833	BB_M35	*bppA*	**2.544**	± 1.0926	0.002176	**1.206**	± 0.9275	0.46338	**0.809**	± 0.3257	0.47406	**1.076**	± 0.5635	0.63463	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGCAGTA
plasmid_cp32-6	23967	BB_M35	*bppA*	**3.224**	± 2.4809	0.097321	**2.158**	± 2.4502	0.35135	**0.982**	± 0.6302	0.89235	**1.18**	± 0.7719	0.30061	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-6	24012	BB_M35	*bppA*	**1.586**	± 0.5968	0.261262	**1.993**	± 1.6159	0.40808	**0.948**	± 0.8881	0.93546	**0.295**	± 0.1823	0.08515	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-6	24073	BB_M35	*bppA*	**1.660**	± 0.4856	0.059062	**1.659**	± 1.4801	0.50349	**0.945**	± 0.2503	0.75476	**1.051**	± 0.2748	0.67187	TCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTCAAAC
plasmid_cp32-6	24077	BB_M35	*bppA*	**1.243**	± 0.9581	0.546977	**0.618**	± 0.9202	0.67632	**0.462**	± 0.5749	0.09027	**0.663**	± 0.6965	0.66138	AATATCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTC
plasmid_cp32-6	24082	BB_M35	*bppA*	**1.673**	± 0.4922	0.108402	**1.036**	± 0.3937	0.88859	**0.9**	± 0.4828	0.37037	**0.884**	± 0.3639	0.04339	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-6	24085	BB_M35	*bppA*	**2.039**	± 1.4721	0.13511	**2**	± 1.9726	0.31989	**0.988**	± 0.5173	0.95358	**1.073**	± 0.5511	0.72057	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-6	24216	BB_M35	*bppA*	**1.262**	± 0.5547	0.201374	**1.85**	± 1.6205	0.32429	**0.902**	± 0.8059	0.69406	**0.754**	± 0.4183	0.05745	GAATATGTTGATTGTGCAGACCTTGAAATTAAGGATAATCAATCTGCTGAA
plasmid_cp32-6	24388	BB_M35	*bppA*	**2.652**	± 1.5918	0.049565	**1.72**	± 1.7172	0.38547	**0.943**	± 0.459	0.72067	**0.757**	± 0.4428	0.12422	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-6	24391	BB_M35	*bppA*	**1.638**	± 1.0904	0.469863	**2.319**	± 1.9802	0.32391	**0.638**	± 0.4674	0.48582	**1.071**	± 0.596	0.772	CGAATACATATCCACTAATTGAGCAGTTAAATTATAAATTTGGAGAGTTTG
plasmid_cp32-6	24550	BB_M35	*bppA*	**0.942**	± 0.5435	0.534076	**0.54**	± 0.4598	0.44032	**1.125**	± 0.8177	0.35242	**1.06**	± 0.8435	0.6951	ACATTATTTGCAAATGCTATATTGCTAGGGAAAAATACTGTACCACTTGTT
plasmid_cp32-6	24606	IG 185		**1.857**	± 0.3414	0.05139	**2.275**	± 0.1258	0.00363	**0.619**	± 0.4058	0.23637	**1.644**	± 0.8594	0.33326	GGAGGATTAATTAATGCTTATTAATAAAATAAAACAAGATAATAGAACTTT
plasmid_cp32-6	24765	BB_M36	*bppB*	**1.837**	± 1.1694	0.220161	**1.418**	± 1.326	0.58026	**0.686**	± 0.5062	0.40132	**1.054**	± 0.425	0.88101	TAGATTTATAGGACTTGGATATATTAAGAGCAATTGTTTTATTATAAATCC
plasmid_cp32-6	24818	BB_M36	*bppB*	**0.725**	± 0.4644	0.511922	**1.067**	± 0.4229	0.84906	**0.765**	± 0.3267	0.35213	**1.069**	± 0.508	0.61843	CATGGATTTATAATAAAACAATTGCTCTTAATATATCCAAGTCCTATAAAT
plasmid_cp32-6	24946	BB_M36	*bppB*	**0.752**	± 0.3037	0.340251	**0.621**	± 0.5439	0.45526	**1.064**	± 0.3254	0.4128	**1.061**	± 0.4214	0.45266	GCAACAAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAACCTCGT
plasmid_cp32-6	25028	BB_M36	*bppB*	**1.759**	± 1.3793	0.353434	**1.634**	± 1.4647	0.56317	**0.814**	± 0.5384	0.66366	**0.93**	± 1.0424	0.83175	TATTTAGACTAAAGTAGTTTTTTTAAAGTTTAAGGTTATTTTTCATGCATT
plasmid_cp32-6	25113	BB_M37	*bppC*	**1.849**	± 0.6913	0.001235	**1.301**	± 0.8972	0.40386	**0.964**	± 0.5063	0.92693	**1.152**	± 0.4696	0.35095	TGGACTCTCTGCTGCTAACAAAATTCACGCTTATAAATGCATGAAAAATAA
plasmid_cp32-6	25120	BB_M37	*bppC*	**1.927**	± 0.5561	0.067499	**1.457**	± 1.0677	0.42663	**0.881**	± 0.3126	0.00665	**1.213**	± 0.4072	0.33964	TTATCAATTTCATTGGTTGAATGATATTTCATAAGTTCTTTAATCTGGAAA
plasmid_cp32-6	25174	BB_M37	*bppC*	**1.461**	± 0.7622	0.109608	**1.25**	± 0.8683	0.49695	**0.66**	± 0.2735	0.22755	**0.85**	± 0.3468	0.53879	ACTCTTTCCAGATTAAAGAACTTATGAAATATCATTCAACCAATGAAATTG
plasmid_cp32-6	25216	BB_M37	*bppC*	**2.134**	± 0.6409	0.085396	**2.641**	± 2.4082	0.35394	**1.021**	± 0.9043	0.96951	**1.764**	± 0.3485	0.06419	AATAAATGAAGAGATTTATTAGCACGAAAGCCTGATTTTTTAAGAAGAATT
plasmid_cp32-6	25217	BB_M37	*bppC*	**2.005**	± 1.9001	0.359091	**2.245**	± 2.6282	0.42474	**0.884**	± 0.4372	0.51713	**0.943**	± 0.5892	0.76131	TTTAGAAATTTATTTATTTCAAATTTAAAATCTAATGGCTATAACTCTTTC
plasmid_cp32-6	25813	BB_M37	*bppC*	**2.801**	± 1.1276	0.025591	**2.322**	± 1.2645	0.16106	**1.395**	± 0.9869	0.50862	**1.497**	± 0.797	0.22111	ATTATTTTAATTTAAATAATTTCAATATGGATTTTATGCTCAAACTATTTC
plasmid_cp32-6	25822	IG 186		**1.559**	± 0.8992	0.048967	**1.832**	± 1.4149	0.18795	**1.057**	± 0.4896	0.79177	**1.328**	± 0.723	0.28659	TCTATAAAATCCTCTCCTTAGAAGTGTTACTTTTAAATTAAGTAAAAGTAA
plasmid_cp32-6	26185	IG 187		**1.527**	± 0.5883	0.14325	**1.437**	± 1.8456	0.66044	**0.94**	± 0.749	0.91753	**0.746**	± 0.7113	0.33847	ATTTTGTTACATTCAGCTATTACATATTAACAAAACGCAAATATAATTTTA
plasmid_cp32-6	26390	BB_M38	*erpK*	**1.540**	± 0.6326	0.133237	**1.454**	± 1.0277	0.32845	**0.932**	± 0.309	0.79189	**1.056**	± 0.6562	0.82102	CAAAAAAAGAAGAGTTTTTTGGAGATTTTAAAAAACCAGAAGCAAAAGTTC
plasmid_cp32-6	27147	BB_M39		**1.560**	± 0.5937	0.239997	**1.727**	± 1.4856	0.47491	**0.583**	± 0.2184	0.17504	**0.858**	± 0.1902	0.33008	GTTAATTTCTCAGGATCTTCACTTTCAGGAATTTCAATTGTTATTGTTACG
plasmid_cp32-6	27288	BB_M39		**2.403**	± 1.5646	0.031672	**1.086**	± 1.4166	0.93005	**1.267**	± 0.6675	0.51096	**1.194**	± 1.0504	0.82712	TATGAATTATTCCAAATTTCCCACATAACTCTATTATTTACAAATTTTTGA
plasmid_cp32-6	27955	BB_M41		**2.303**	± 2.282	0.155602	**2.194**	± 2.8852	0.3727	**0.851**	± 0.6048	0.66033	**1.35**	± 0.9246	0.34343	TGTTGCATATTTTAGAGAAGGATTGTTAGATGATAGGGAAATAGCGGATAA
plasmid_cp32-6	28022	BB_M41		**1.117**	± 0.585	0.578348	**0.529**	± 0.4325	0.41746	**1.193**	± 0.6932	0.034	**1.231**	± 0.8567	0.14562	CCCTAGAAACCCCCAATTTATCCGCTATTTCCCTATCATCTAACAATCCTT

plasmid_cp32-6	28176	BB_M41	**1.952**	± 1.7093	0.112403	**1.9**	± 2.147	0.31761	**0.937**	± 0.6828	0.7662	**1.004**	± 0.7386	0.98089	TCTAATTCACTTATAACTTTCCTAGCGTTAACTTCTGATTTAAAAGTTTGT
plasmid_cp32-6	28473	BB_M41	**1.103**	± 0.4328	0.249525	**0.453**	± 0.3243	0.21434	**0.868**	± 0.2538	0.16698	**0.926**	± 0.3238	0.01723	CTATTTTTGTAGTTGCTTTTGCTTTCAGCCTCATTAGCAGTTGTAAGTTTT
plasmid_cp32-6	28495	BB_M42	**1.864**	± 0.6976	0.077961	**2.016**	± 1.3443	0.2574	**0.853**	± 0.2578	0.27071	**1.063**	± 0.3247	0.52929	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-6	28570	BB_M42	**1.772**	± 0.6731	0.087142	**1.557**	± 1.0229	0.33998	**1.079**	± 0.3664	0.6902	**0.972**	± 0.3846	0.80718	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAAAACAGTTA
plasmid_cp32-6	28592	BB_M42	**1.306**	± 0.5194	0.482163	**1.362**	± 0.7228	0.43279	**0.988**	± 0.4032	0.95499	**0.894**	± 0.2298	0.40601	ATTTTGATAAGTTTGAAGAAAAACAGTTAACTTTAAAACAAAAAAATGTGA
plasmid_cp32-6	28970	BB_M42	**0.961**	± 0.441	0.156904	**0.467**	± 0.3687	0.28242	**0.928**	± 0.445	0.24832	**0.96**	± 0.368	0.60221	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCACCATATAGATTA
plasmid_cp32-6	29115	BB_M42	**3.502**	± 1.4909	0.071187	**1.688**	± 0.3223	0.00113	**0.774**	± 0.1854	0.32361	**1.091**	± 0.1879	0.51547	ATCGGTTTTAAAATAGTGTTCTGGATGATCGGGATTAGTATCAAAAATAAT
plasmid_cp32-6	29173	BB_M42	**1.381**	± 0.6968	0.000219	**0.852**	± 0.9132	0.84991	**2.363**	± 1.9971	0.22714	**1.447**	± 1.0262	0.20951	GCACATTATCATAAGTTGTAAAATTATATGTCTTAAAGGTCGCTATATTAT
plasmid_cp32-6	29309	BB_M42	**1.653**	± 0.3934	0.112946	**1.473**	± 1.2661	0.55511	**0.754**	± 0.2223	0.33707	**0.761**	± 0.5366	0.47749	TAATCATCAGTAATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATC
plasmid_cp32-6	29377	BB_M42	**3.394**	± 2.1474	0.186088	**1.592**	± 0.9185	0.35346	**1.769**	± 0.1714	0.01831	**2.376**	± 1.1402	0.16885	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-6	29451	BB_M42	**2.998**	± 1.5462	0.011684	**1.676**	± 1.6149	0.35625	**1.005**	± 0.4537	0.9878	**0.804**	± 0.3839	0.38915	TATTATGAATATGGTAAAGACTGTTATAGAAAATTTCAATGTGCATACACT
plasmid_cp32-6	29505	BB_M42	**2.134**	± 2.207	0.467983	**3.276**	± 4.4061	0.44681	**1.015**	± 0.8612	0.9525	**1.752**	± 1.9622	0.58961	TTTAGAGGATAGAGATAATACAAAAGGTGCTGGTGGATTGACCCGTGAATA
plasmid_cp32-6	29690	BB_M42	**0.355**	± 0.5251	0.085929	**0.588**	± 0.7489	0.30855	**2.247**	± 1.2135	0.09399	**0.144**	± 0.0807	0.02706	GTTCTTCTGTATTTAATGATATTTATTCGTATAAGGGGGATAGCAAAACCC
plasmid_cp32-6	29795	BB_M42	**4.789**	± 3.2742	0.121542	**0.535**	± 0.7801	0.09766	**0.658**	± 1.181	0.72623	**1.084**	± 1.0166	0.77557	TATCCTAAAGACAACATCAAATATGCTGCAGACATTGCATCAAGAGCATCA
plasmid_cp32-7	278	BB_O01	**1.832**	± 0.7563	0.094368	**1.818**	± 1.4893	0.35966	**0.923**	± 0.2593	0.2505	**1.184**	± 0.4593	0.24903	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-7	394	BB_O01	**1.717**	± 0.2639	0.009524	**1.377**	± 0.7432	0.46512	**1.051**	± 0.1634	0.02226	**0.948**	± 0.1779	0.30527	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG
plasmid_cp32-7	397	BB_O01	**1.781**	± 0.2737	0.036728	**1.45**	± 0.7123	0.36222	**0.68**	± 0.1328	0.02701	**0.913**	± 0.1118	0.17162	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-7	398	BB_O01	**1.246**	± 0.379	0.446604	**0.569**	± 0.4227	0.12222	**1.064**	± 0.2459	0.74144	**1.133**	± 0.2629	0.53142	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-7	426	BB_O01	**2.944**	± 3.8192	0.487399	**1.167**	± 1.001	0.83387	**1.537**	± 0.5156	0.24157	**1.677**	± 1.854	0.62766	TGATCAAAATCAACTCCCAAATCTCTTACATATTCATAATCAAGGTATTCA
plasmid_cp32-7	443	BB_O01	**2.070**	± 1.4168	0.299676	**1.858**	± 0.7254	0.12735	**1.36**	± 0.6026	0.43052	**0.975**	± 0.3807	0.90013	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-7	477	BB_O01	**1.796**	± 1.1855	0.239196	**1.018**	± 0.9397	0.97658	**0.753**	± 0.3813	0.54658	**1.212**	± 0.3558	0.19972	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-7	489	BB_O01	**2.713**	± 1.931	0.229639	**1.833**	± 3.1424	0.70696	**0.579**	± 0.4411	0.45317	**0.995**	± 0.7127	0.99338	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-7	505	BB_O01	**3.360**	± 2.6271	0.024932	**2.038**	± 2.5606	0.35878	**1.153**	± 0.7881	0.77022	**1.161**	± 0.9693	0.12267	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-7	506	BB_O01	**1.300**	± 1.1008	0.657356	**1.217**	± 1.0815	0.24196	**1.113**	± 0.9022	0.64538	**1.389**	± 1.1395	0.12119	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-7	520	BB_O01	**2.221**	± 0.8948	0.054989	**1.356**	± 0.8425	0.6133	**1.071**	± 0.4412	0.7685	**1.226**	± 0.5011	0.45433	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-7	523	BB_O01	**1.653**	± 0.4168	0.015952	**1.085**	± 0.7282	0.80774	**1.1**	± 0.216	0.3175	**1.533**	± 1.0985	0.52222	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-7	525	BB_O01	**1.013**	± 0.6697	0.694267	**0.122**	± 0.1234	0.11061	**0.58**	± 0.8114	0.15576	**1.773**	± 1.3648	0.25025	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT
plasmid_cp32-7	577	BB_O01	**2.586**	± 1.9396	0.145015	**3.015**	± 2.949	0.25652	**1.026**	± 0.6657	0.91892	**1.533**	± 0.8823	0.08626	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-7	941	BB_O01	**1.291**	± 0.7555	0.526066	**1.537**	± 2.4098	0.69498	**0.941**	± 1.4471	0.93974	**0.504**	± 0.6389	0.34093	GCATTAATTAAGGCAAAAATTGGTGCAGATACTAAAGAACCCCTAACTAGA
plasmid_cp32-7	1409	BB_O02	**1.450**	± 0.9856	0.513162	**1.201**	± 0.952	0.4273	**0.83**	± 0.6581	0.52837	**1.255**	± 0.8314	0.17474	CATGCGTTTTAAAGAGCAGGCAAATAGTAAATCTAAAGAGACAAGTCGAGA
plasmid_cp32-7	1625	BB_O02	**2.232**	± 1.728	0.363366	**0.877**	± 0.6432	0.75021	**0.479**	± 0.2505	0.13702	**0.734**	± 1.2077	0.80312	TCCTTTTGCAAGTAGCACCTCTTTGTTAAAATGATTGCTAAGATGTGCTTT
plasmid_cp32-7	1630	BB_O02	**1.079**	± 1.2624	0.865484	**1.047**	± 1.1033	0.87711	**1.163**	± 1.0818	0.65011	**1.053**	± 0.8705	0.42743	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_cp32-7	1746	BB_O02	**1.425**	± 0.8132	0.170567	**0.318**	± 0.2544	0.17661	**0.841**	± 0.7046	0.41755	**1.205**	± 0.7359	0.50574	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_cp32-7	1927	BB_O02	**1.331**	± 0.7391	0.52949	**0.95**	± 0.178	0.63602	**0.83**	± 0.3109	0.47547	**0.515**	± 0.3646	0.16537	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-7	1930	BB_O02	**2.360**	± 1.5945	0.047521	**1.505**	± 1.4104	0.29823	**1.364**	± 0.7842	0.27946	**1.041**	± 0.6592	0.79582	CATACAAGCAAAGACGAATTCAATTTTATGAAAATCTAAAAAGACATAAAA
plasmid_cp32-7	2215	BB_O03	**1.753**	± 0.8235	0.224409	**1.148**	± 0.8075	0.78996	**0.777**	± 0.5065	0.52201	**0.857**	± 0.5166	0.61584	TACGGATACCCTTTAGCAGGGTAATTCTCTATTTTGTCTTTACTGCTAGTG
plasmid_cp32-7	2230	BB_O03	**1.617**	± 1.2439	0.284793	**1.628**	± 1.2355	0.30976	**1.355**	± 0.906	0.47318	**1.179**	± 0.4896	0.55418	AGCTTAGTTTTGGAGATGGAACAACCGAACTAGAAGTTGAGGCTGGTGGTG
plasmid_cp32-7	2340	BB_O03	**2.026**	± 0.9569	0.219236	**1.506**	± 1.0032	0.49878	**0.962**	± 0.5346	0.91995	**0.909**	± 0.1156	0.39451	TAACAGTTGCCATACCGCTAAACTCATCTATATCGGAACACACTCCATATA
plasmid_cp32-7	3041	BB_O04	**1.077**	± 1.3937	0.933798	**0.993**	± 1.5852	0.99496	**1.287**	± 0.9711	0.64584	**0.708**	± 0.5759	0.30503	TGTATTGCCAATTACTAACAATTTTGAAGGGTACCTTGTCACAAGGAATCC
plasmid_cp32-7	3202	BB_O04	**1.866**	± 0.7788	0.043649	**1.727**	± 1.2905	0.30957	**1.005**	± 0.457	0.94832	**1.477**	± 0.4761	0.04387	CAATCAATTTTGCACCCGAAGATGGAAATCAAGATCAAAATAGATATCCTA
plasmid_cp32-7	3248	BB_O04	**0.108**	± 0.1961	0.132565	**0.296**	± 0.4842	0.32394	**0.268**	± 0.2885	0.2563	**0.504**	± 0.5369	0.48245	TCCTAGGCAAGAGTATTCTATTAATTTGATAAAAGTTGCAATTTTTGGAAA
plasmid_cp32-7	3375	BB_O05	**3.819**	± 2.5235	0.07431	**2.133**	± 1.902	0.26331	**1.151**	± 0.8054	0.63463	**1.305**	± 0.9785	0.23254	TCTCCCATTTATTTACCTCCTTTTATTCGCCCAAAGTTTAACCACCATCAG
plasmid_cp32-7	3392	BB_O05	**2.567**	± 2.5587	0.36755	**2.172**	± 3.0414	0.41423	**1.803**	± 1.2934	0.12393	**1.708**	± 1.4968	0.50841	AAAGAGTATCAAGAGAAAAGAAGTAAACTGGAAAAGTTTATGAAAAATCCC
plasmid_cp32-7	3667	BB_O05	**1.538**	± 1.432	0.434543	**1.273**	± 1.8436	0.72741	**0.546**	± 0.4245	0.41358	**0.881**	± 0.5652	0.82843	TGGAATATGCATTGACATAGATGAGTTTAGTAAAACAGCTACTATTGTGCC
plasmid_cp32-7	3693	BB_O05	**2.002**	± 0.5087	0.053898	**2.05**	± 1.7118	0.36477	**0.981**	± 0.2296	0.15089	**1.34**	± 0.5081	0.1776	AACTCATCTATGTCAATGCATATTCCATATAAGTCTTCACCTCCACCAGCC
plasmid_cp32-7	3711	BB_O05	**2.056**	± 1.0617	0.088361	**1.861**	± 1.7932	0.46874	**0.898**	± 0.5692	0.7921	**0.941**	± 0.5206	0.84019	TTGTGCCAATTACCAATAATTTTGAGGGATATTTAGTGGCAAAAGATTCTA
plasmid_cp32-7	3726	BB_O05	**2.697**	± 1.6083	0.220167	**2.118**	± 1.8522	0.43741	**1.476**	± 1.0404	0.57525	**1.597**	± 0.7885	0.09628	TTGGTAATTGGCACAATAGTAGCTGTTTTACTAAACTCATCTATGTCAATG
plasmid_cp32-7	3795	BB_O05	**1.878**	± 1.1495	0.063371	**2.017**	± 1.7182	0.15082	**1.161**	± 0.7272	0.61231	**1.773**	± 1.5254	0.29765	AAGACGGTGCTCTTGAAAAGGTGACTGGAGCACCAAATAAAGCAACTATTA
plasmid_cp32-7	4066	BB_O06	**1.668**	± 0.7166	0.166219	**0.862**	± 0.2545	0.11702	**0.745**	± 0.1565	0.17226	**0.942**	± 0.1385	0.58408	AGATGTTGATCTACAAATGGGATATCAAAAAACCGTAAAATGGGACGCGTT

plasmid_cp32-7	4221	BB_O06	**2.367**	± 1.2036	0.12557	**2.292**	± 2.0886	0.35546	**0.768**	± 0.4076	0.18575	**1.134**	± 0.6009	0.54655	AATTCAGACATTTAAAGCAGACTTCTGAGAAATTTTATACTTCAGATTCAT
plasmid_cp32-7	5092	BB_O07	**1.495**	± 0.5074	0.221789	**1.338**	± 1.6464	0.74614	**0.912**	± 0.5332	0.81515	**0.959**	± 0.4633	0.89041	GCTTGAAGTAAGGATAAATGAAGTAGAAAATTTTGCCTGCTTAGTGCAAAT
plasmid_cp32-7	5135	BB_O07	**0.990**	± 0.7069	0.977382	**0.71**	± 0.6767	0.69787	**0.502**	± 0.8897	0.51435	**0.519**	± 0.3676	0.34147	TGAACAAATATTTTTGCTTACTTTCTACCATATGGGCTGCCAATTAAGAAA
plasmid_cp32-7	5258	BB_O07	**1.159**	± 0.7528	0.78604	**1.678**	± 1.5383	0.44672	**0.517**	± 0.2701	0.26861	**0.797**	± 0.598	0.74376	TTATCCTAGTAGCAGTGGAGGCGAAGAAGGCGGCGAGGGGAGTTGTGGCTC
plasmid_cp32-7	5447	BB_O08	**1.740**	± 0.9016	0.008996	**1.823**	± 1.4413	0.27329	**0.77**	± 0.4479	0.41354	**0.952**	± 0.4192	0.87913	CGTTGATCATGCGGAAAGACATATCTGAAAGTCTTTTTCTAACACCATTCA
plasmid_cp32-7	5538	BB_O08	**0.877**	± 0.4537	0.521557	**0.672**	± 0.5151	0.06373	**0.736**	± 0.4154	0.11235	**0.993**	± 0.5546	0.95376	TTTTTATCAAAAACTCTCTGATAAGAAGAATCGTTTTCAAGTTTAACAACA
plasmid_cp32-7	5610	BB_O08	**1.578**	± 0.7177	0.3568	**1.099**	± 0.7254	0.86352	**0.632**	± 0.1664	0.16874	**0.789**	± 0.2141	0.37918	TCAGAGTCATAAAGCACTGCAAGTTCTTGTGGCCTTATGTCAATAATAACT
plasmid_cp32-7	5632	BB_O08	**0.436**	± 0.2686	0.125057	**0.428**	± 0.3894	0.23875	**1.027**	± 0.4014	0.79588	**1.038**	± 0.3819	0.27693	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACTAAAAGACCGCAT
plasmid_cp32-7	5644	BB_O08	**3.963**	± 5.7405	0.446819	**1.065**	± 1.8182	0.95163	**1.927**	± 1.1152	0.25874	**1.005**	± 0.3821	0.98628	CACATATCAAGACCTTAACTATGAACTAAAAGACCGCATATCAATTTCGGA
plasmid_cp32-7	5647	BB_O08	**2.294**	± 1.8257	0.255479	**0.607**	± 0.3584	0.42098	**0.538**	± 0.3265	0.14769	**0.932**	± 0.5028	0.84623	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAGTCATAAAG
plasmid_cp32-7	6472	BB_O10	**1.880**	± 1.7383	0.295838	**2.793**	± 2.4253	0.18899	**0.664**	± 0.7424	0.57893	**0.818**	± 0.9351	0.81036	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_cp32-7	6512	BB_O10	**2.098**	± 1.3418	0.16383	**0.91**	± 0.6395	0.42663	**1.319**	± 0.7178	0.57292	**1.084**	± 0.7267	0.85313	CTTATGGGCTTTATTGTGTAGAAAGTCACTAAGCATACCATAAAGCATTAA
plasmid_cp32-7	6824	BB_O11	**1.214**	± 1.146	0.625417	**0.501**	± 0.7686	0.44976	**1.058**	± 0.6163	0.76357	**1.294**	± 1.0299	0.42833	GCAGCATCTTTATTAACTTTGATTTTAGCTGTTTTGTAAACCAAAAGTGGA
plasmid_cp32-7	7159	BB_O11	**1.854**	± 0.6761	0.139232	**1.834**	± 1.5002	0.43891	**0.679**	± 0.0791	0.00269	**0.888**	± 0.4761	0.72924	TTCTCAACTAAAGAACAAGAAATAAAAGAACTATTTAAAGATAAAGGCAAT
plasmid_cp32-7	7247	BB_O11	**2.301**	± 1.0413	0.016352	**3.026**	± 3.0126	0.2914	**1.968**	± 0.8461	0.17771	**1.859**	± 0.9524	0.27694	ATAAAGACAATTTACACCTCAAATTTATAAGTCAATATTTACATCAAGCTA
plasmid_cp32-7	7490	BB_O11	**1.846**	± 1.9821	0.224676	**1.167**	± 1.4768	0.69732	**1.049**	± 1.1992	0.91703	**1.273**	± 0.9016	0.56722	CATACCACTATATAAAAAATGAAGCGATTATTGAGCTTATTAGAATTTGGA
plasmid_cp32-7	7884	BB_O12	**1.965**	± 0.5671	0.113552	**2.182**	± 1.2235	0.19223	**0.596**	± 0.3007	0.04255	**0.841**	± 0.4409	0.55114	CATAGTGGCAAACTAGAACTTACAAGCGAACCCACAACAAGAGCAGTGATT
plasmid_cp32-7	8143	BB_O12	**2.799**	± 1.1871	0.019927	**1.712**	± 1.8275	0.50205	**1.315**	± 0.6769	0.57128	**1.07**	± 0.4438	0.60164	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-7	8221	BB_O12	**1.874**	± 0.4672	0.072587	**1.884**	± 1.5817	0.42508	**0.974**	± 0.1056	0.7036	**0.929**	± 0.1259	0.18395	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-7	8698	BB_O13	**2.034**	± 0.7989	0.004543	**0.483**	± 0.6422	0.4392	**0.281**	± 0.4293	0.01562	**0.933**	± 1.245	0.93495	CATCAAATTCCAATGAGCTGGTTGCTAAATGATCAAAAGAAATAGAGATAT
plasmid_cp32-7	9142	BB_O15	**2.557**	± 2.0523	0.303872	**1.929**	± 2.2669	0.53054	**0.337**	± 0.2732	0.0928	**0.727**	± 0.3091	0.43811	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-7	9520	BB_O15	**1.835**	± 1.486	0.438526	**1.936**	± 1.3773	0.27435	**0.687**	± 0.8614	0.40213	**1.632**	± 1.4811	0.47111	ATAAAGTGTTTTACAGTGAAAAAGAACGTGAAAATATTTTGGGTGCTATTA
plasmid_cp32-7	10214	BB_O15	**2.002**	± 1.9981	0.314991	**0.748**	± 0.787	0.7693	**1.252**	± 1.4961	0.75913	**0.982**	± 1.3597	0.98662	AGTATTACCAACAACATTACTAGCGGTATTATATAATGAGCTGCCAATGTT
plasmid_cp32-7	10219	BB_O15	**2.898**	± 3.6207	0.412517	**3.169**	± 4.2549	0.42711	**0.765**	± 0.3903	0.50178	**1.5**	± 0.9059	0.47883	ACTTCGCGACTGGTTGGATTAATAATACGATTTTTGGAAAGAACAACAATA
plasmid_cp32-7	10568	BB_O16	**2.784**	± 3.7458	0.319779	**2.091**	± 1.8113	0.29167	**0.592**	± 0.5808	0.40644	**1.457**	± 1.3874	0.57058	AGTGCGTGCTATGAGTTCGGTTTTTGGTTTTATAAAAAACAATTGAGGAAC
plasmid_cp32-7	11080	BB_O17	**1.430**	± 0.6489	0.370593	**2.516**	± 2.2493	0.27498	**0.965**	± 0.7601	0.92449	**1.752**	± 0.999	0.26627	CACAACATGGAATTCATATTGATATTACCATATCTAATGAGTTTTCAAATT
plasmid_cp32-7	11181	BB_O17	**1.772**	± 0.7557	0.252635	**1.058**	± 0.8737	0.89404	**0.951**	± 0.5248	0.72189	**1.068**	± 0.4623	0.85751	AGGGCAAATTCCAAAGTACAATTTTTGTTCGTTTAGATTTTACAAAATTAT
plasmid_cp32-7	11214	BB_O17	**1.967**	± 1.1103	0.061669	**1.728**	± 1.5834	0.35894	**0.934**	± 0.4886	0.49944	**1.069**	± 0.5456	0.38111	TATCTCCTACTTCAATGTCGTTGGTGAAGTCTAAGGGCAAATTCCAAAGTA
plasmid_cp32-7	12048	BB_O18	**1.802**	± 0.5999	0.07376	**1.493**	± 0.9865	0.40561	**1.043**	± 0.3566	0.87978	**0.952**	± 0.3837	0.89313	AAGGAGTTTAAACAACAAACTCAAGAGGCTATTGTTACAATACCCGAATTT
plasmid_cp32-7	12130	BB_O18	**1.550**	± 0.5624	0.17304	**1.513**	± 1.2808	0.55048	**0.782**	± 0.4377	0.13368	**1.443**	± 0.5615	0.05506	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-7	12247	BB_O18	**2.828**	± 2.4085	0.174971	**3.115**	± 4.2885	0.46174	**1.407**	± 1.125	0.27652	**1.39**	± 1.0123	0.23965	GTGCAATTAGCCCAAAGACTTTAAATCTAATTTCTGATACTGTTAAAATTA
plasmid_cp32-7	12289	BB_O18	**0.600**	± 0.6355	0.480527	**2.793**	± 2.9223	0.15352	**0.863**	± 0.8375	0.86084	**0.978**	± 1.1041	0.97129	ACAGTATCAGAAATTAGATTTAAAGTCTTTGGGCTAATTGCACTAAGTATA
plasmid_cp32-7	12429	BB_O18	**2.012**	± 1.1785	0.024298	**2.011**	± 1.6054	0.18921	**0.852**	± 0.43	0.63592	**1.107**	± 0.871	0.59785	GCAACATCTAGAATTAGCAATAATATTAATAGTTTGTTTAAGTAATTTTTG
plasmid_cp32-7	12543	BB_O19	**1.482**	± 1.2302	0.600855	**0.789**	± 0.7484	0.78545	**0.634**	± 0.4648	0.35096	**0.6**	± 0.4998	0.41013	TTAAATACCAATTCAAAATTATTGCCTAATCTTAAATCCATACTAGTAATT
plasmid_cp32-7	12743	BB_O19	**1.344**	± 1.3776	0.662057	**1.801**	± 2.3895	0.59744	**0.376**	± 0.4139	0.22675	**0.656**	± 0.4509	0.39303	AATCTAAGTTAAGCTCTTTAGATATTTCATGAAAATAATTTTTTACAGCGT
plasmid_cp32-7	12783	BB_O19	**2.406**	± 0.3306	0.004464	**1.149**	± 0.9499	0.79422	**0.696**	± 0.1472	0.02091	**0.867**	± 0.48	0.62436	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-7	13073	BB_O20	**2.108**	± 1.3966	0.294924	**1.573**	± 1.0819	0.06439	**0.717**	± 0.5959	0.65436	**1.349**	± 0.8582	0.60678	TGTTCTTCAATAGCAGCCCAATAAGTACCACCAGGTTTCATTTTAGAAAAA
plasmid_cp32-7	13177	BB_O20	**1.731**	± 0.2577	0.039045	**1.528**	± 0.8933	0.41935	**0.886**	± 0.1931	0.42239	**0.913**	± 0.2488	0.64485	TGTTGGCTTTACCAGCGGCACTTTTAATATTAGTATACTCAACCCCCTCAA
plasmid_cp32-7	13182	BB_O20	**0.881**	± 0.7662	0.834684	**0.859**	± 0.993	0.80461	**0.87**	± 0.3948	0.48633	**1.157**	± 0.4296	0.6413	TCTAATTCTAAAAGAAACTTTACTAGACGCTAGTAAATCTACTATTAATAG
plasmid_cp32-7	13416	BB_O20	**1.778**	± 1.1032	0.014381	**0.609**	± 0.5361	0.54543	**1.023**	± 0.6631	0.81549	**0.925**	± 0.5118	0.70197	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATATAAACATATTTTCTTTT
plasmid_cp32-7	13458	BB_O20	**0.341**	± 0.4549	0.000668	**0.133**	± 0.1391	0.10727	**0.868**	± 0.4763	0.45229	**0.23**	± 0.2537	0.13804	TTCTAGGATTATTTCAAATAACTATTCTGATATGGGAATTAGCTTTGAATA
plasmid_cp32-7	13845	BB_O21	**2.717**	± 1.6476	0.039132	**1.692**	± 1.552	0.30756	**0.857**	± 0.439	0.49641	**1**	± 0.524	0.99961	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-7	14032	BB_O21	**3.484**	± 5.0831	0.3647	**2.876**	± 5.1218	0.52036	**1.683**	± 2.234	0.40286	**1.808**	± 2.2675	0.41804	ACTTCAATGTCCACATTTAAAAAGGCCTTGAAAATTAGTCTAAACGACTCA
plasmid_cp32-7	14095	BB_O21	**1.486**	± 1.0982	0.508191	**1.687**	± 1.933	0.58611	**0.9**	± 0.2868	0.58715	**1.034**	± 0.3822	0.86568	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_cp32-7	14193	BB_O21	**2.416**	± 1.7603	0.305859	**2.283**	± 3.0699	0.53449	**1.576**	± 1.3224	0.44904	**1.218**	± 0.4937	0.17556	GTATTCAACTCACTTCCTAAGGGCTATGATCATTCAATTTATGCTTTTATT
plasmid_cp32-7	14231	BB_O21	**3.167**	± 0.7495	0.021087	**2.236**	± 1.5189	0.26314	**1.513**	± 0.5132	0.26008	**1.376**	± 0.7562	0.49156	AATTGAATGATCATAGCCCTTAGGAAGTGAGTTGAATACTAAAGCCTTTTT
plasmid_cp32-7	14287	BB_O21	**1.665**	± 0.8909	0.009108	**0.361**	± 0.2676	0.23679	**0.825**	± 0.4678	0.26678	**0.99**	± 0.6082	0.95625	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-7	14296	BB_O21	**1.666**	± 0.2574	0.05761	**1.337**	± 0.4095	0.28862	**1.077**	± 0.1616	0.57754	**1.239**	± 0.7316	0.56957	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-7	14427	BB_O22	**0.903**	± 0.6126	0.831406	**0.514**	± 0.5931	0.5198	**1.027**	± 0.8746	0.89396	**1.142**	± 0.8513	0.62585	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA

plasmid_cp32-7	14455	BB_O22		**0.968**	± 0.964	0.96819	**0.686**	± 0.5311	0.57839	**0.168**	± 0.3056	0.17359	**1.318**	± 1.1747	0.65687	CTGCTTGCAGCTCCATCATCAAGCAGTAAAAGATCAGTATCGTTAACGGTC
plasmid_cp32-7	14530	BB_O22		**1.939**	± 1.2521	0.126122	**1.09**	± 0.8404	0.79962	**0.69**	± 0.401	0.4734	**1.006**	± 0.4822	0.98548	AAATAGTCTAATCCCTCTCCTTTAAATATTTTGTCTTTAGAAGCATCTAAA
plasmid_cp32-7	14623	BB_O22		**1.910**	± 0.9657	0.057598	**1.598**	± 1.5662	0.46181	**0.893**	± 0.3966	0.25913	**0.977**	± 0.4534	0.45344	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_cp32-7	14683	BB_O22		**0.921**	± 0.4086	0.822052	**0.786**	± 0.9469	0.65404	**0.573**	± 0.2175	0.02993	**0.796**	± 0.5269	0.40578	TCTGTAAGGCGTGATTTAATTTTACTAAAAAGGTTAGAAATATTAGTAGAA
plasmid_cp32-7	14691	BB_O22		**1.008**	± 1.0068	0.989906	**1.385**	± 1.4336	0.33672	**0.176**	± 0.2126	0.20698	**0.261**	± 0.2853	0.27519	TCATCAGCCACTTTATCTAGAAGTGATCATCTTTTGATAATGCCTTCATCA
plasmid_cp32-7	14743	BB_O22		**1.448**	± 1.3548	0.456767	**0.351**	± 0.1685	0.08066	**0.754**	± 0.5194	0.23004	**0.577**	± 0.2955	0.15118	TCTGATGAAGGCATTATCAAAAGATGATCACTTCTAGATAAAGTGGCTGAT
plasmid_cp32-7	14775	BB_O22		**1.897**	± 0.7309	0.057797	**1.173**	± 0.6306	0.6721	**1.297**	± 0.6896	0.19318	**0.994**	± 0.4379	0.97857	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-7	14879	BB_O22		**1.808**	± 0.5179	0.02436	**1.724**	± 0.9937	0.18646	**1.128**	± 0.3302	0.21665	**1.084**	± 0.4257	0.77695	CAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATTCTCCCGT
plasmid_cp32-7	14968	BB_O22		**1.713**	± 0.5946	0.016439	**2.568**	± 1.5958	0.12584	**0.721**	± 0.2979	0.43164	**0.962**	± 0.4399	0.24417	TTATCATTGATTTTTACTTGAATTTCAATATCAAGATAAACGGGAGAATTA
plasmid_cp32-7	15057	BB_O22		**1.216**	± 0.3941	0.062373	**0.391**	± 0.2659	0.16236	**1.151**	± 0.7936	0.65508	**1.491**	± 0.8149	0.33433	TTCACCAGAATTCCCATTTATAAAGGATGGTATGTCCAAAAAAGAGCCTCC
plasmid_cp32-7	15074	BB_O22		**2.239**	± 1.4605	0.094587	**1.705**	± 1.7818	0.49349	**0.963**	± 0.5274	0.90625	**1.09**	± 1.0927	0.89094	AATGGGAATTCTGGTGAATAGTCCGCGGGGGCCCGCAATTTCATAAACCCT
plasmid_cp32-7	15177	IG 188		**1.722**	± 1.4487	0.226464	**2.143**	± 2.3397	0.34492	**0.796**	± 0.5432	0.47046	**1.056**	± 0.7768	0.6309	TATACCAAAATCATAATTTTTGCTAAAAAGTTTACAGTTTTAAAAGATCTG
plasmid_cp32-7	15185	IG 189		**2.829**	± 0.3436	0.010884	**1.809**	± 0.9817	0.28984	**1.061**	± 0.0896	0.27133	**1.25**	± 0.0835	0.01755	CGTATAAAAATAAAAAATTAAAATGAAGGATTAAAAAATGGATACTATTAA
plasmid_cp32-7	15342	BB_O23	*blyA*	**2.609**	± 1.2262	0.082676	**1.827**	± 0.7254	0.07695	**1.001**	± 0.5764	0.99528	**0.819**	± 0.5968	0.47033	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-7	15360	BB_O23	*blyA*	**1.015**	± 0.3783	0.895542	**0.449**	± 0.368	0.28277	**0.941**	± 0.35	0.54267	**0.979**	± 0.4016	0.64266	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-7	15363	BB_O23	*blyA*	**2.741**	± 2.3085	0.262588	**2.005**	± 1.8584	0.16831	**1.777**	± 1.199	0.31485	**1.787**	± 1.2906	0.00871	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-7	15448	BB_O24	*blyB*	**2.986**	± 1.7786	0.198183	**3.67**	± 4.2924	0.38946	**0.744**	± 0.7481	0.59169	**0.678**	± 0.2388	0.1037	ATGTTGAGCTTGGACTTACGTCTTTATCAACCCTTATTGATATATTTTCTA
plasmid_cp32-7	15841	BB_O25		**1.348**	± 0.7545	0.192925	**1.218**	± 1.2851	0.63453	**0.636**	± 0.4593	0.28413	**0.828**	± 0.4145	0.59405	TGTTTGTATCAGTTTTAGCTATGTTAGTTAAGCTAGATAGTAAATTAAGTC
plasmid_cp32-7	15904	BB_O25		**2.420**	± 1.5037	0.238089	**2.22**	± 2.0636	0.4092	**1.063**	± 0.436	0.8156	**1.195**	± 0.1804	0.17443	AGCACACTAAAATCTATGGAAACAGCTGAATCAACTAAAATATTTGAAGAA
plasmid_cp32-7	16005	BB_O25		**2.584**	± 1.5773	0.240218	**1.056**	± 0.9319	0.93613	**1.128**	± 0.8327	0.84318	**0.935**	± 0.3891	0.851	TGACAAAAATAAAAAAATTATCACTTCACTTAAAGCAAAACGCAACAAAAT
plasmid_cp32-7	16146	BB_O26		**1.730**	± 2.663	0.615895	**2.656**	± 2.7697	0.2215	**0.726**	± 0.7095	0.7129	**1.234**	± 1.5956	0.70756	GTGGTGCAACATAACAACAAAACAATTAGTAAACAATGCAATCTTTTAAGC
plasmid_cp32-7	16343	BB_O26		**1.737**	± 1.1465	0.328599	**1.698**	± 1.3613	0.41966	**0.832**	± 0.4625	0.42597	**1.086**	± 0.3117	0.59711	TGGAGTGTTCGTCTTTTAGTGTTGATAAATCTGGATAAGGATATTCTGGAT
plasmid_cp32-7	16373	BB_O26		**2.097**	± 0.9535	0.190608	**0.721**	± 1.2584	0.75861	**1.002**	± 1.6003	0.99698	**0.787**	± 0.639	0.66269	TATTTAGAGTACATTAAAAAAACAAAACCAATAGCGGAAAAAGTCTATAAT
plasmid_cp32-7	16419	BB_O26		**1.065**	± 0.5132	0.768088	**0.574**	± 0.5842	0.22682	**1.007**	± 0.7445	0.98047	**1.17**	± 0.6608	0.19537	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-7	16996	BB_O27	*bdrN*	**1.979**	± 2.3101	0.271717	**0.971**	± 1.1308	0.95839	**0.9**	± 0.956	0.84452	**0.861**	± 1.0579	0.7247	GAAAAGAATTTAAACACTAAAATAGACAATGTTGAAAAGAATTTAATGTCT
plasmid_cp32-7	17041	BB_O27	*bdrN*	**2.529**	± 1.8011	0.245221	**2.355**	± 2.8367	0.5073	**0.581**	± 0.5838	0.31935	**1.598**	± 1.3899	0.56585	ATGTCTCTTTCAGAAATGCTTAAATGGGTATTAGGAATCATGGGAGCAATG
plasmid_cp32-7	17136	BB_O27	*bdrN*	**1.776**	± 1.145	0.322482	**1.077**	± 0.6426	0.78593	**0.926**	± 0.5363	0.8666	**1.248**	± 0.6421	0.59904	TTTAGAAATGAAAGCAAATATTAGCCCGGCTATCATTGTGATAGACATTGC
plasmid_cp32-7	17703	IG 190		**1.855**	± 0.7363	0.04373	**2.099**	± 2.2157	0.42248	**1.039**	± 0.2954	0.74085	**0.965**	± 0.2823	0.63598	AGAATCTTGCTATGCTGCAAATATCTCATCAAACCGTTCGTATTCTTTTAA
plasmid_cp32-7	17765	BB_O29		**2.384**	± 2.3486	0.248262	**3.026**	± 3.3455	0.2306	**1.263**	± 1.3364	0.74074	**1.291**	± 1.2673	0.73074	TTCTTTAGTATCTTAAAAGAATACGAACGGTTTGATGAGATATTTGCAGCA
plasmid_cp32-7	17768	BB_O29		**2.337**	± 1.0204	0.034578	**1.876**	± 1.374	0.25851	**1.111**	± 0.4563	0.44444	**1.127**	± 0.4067	0.29236	TTAATGGACTAGGGCCATAAGCAGTCCTCTTAAACGACACAAACTTTTCAA
plasmid_cp32-7	17842	BB_O29		**2.733**	± 2.3729	0.196552	**1.885**	± 2.4442	0.49208	**0.73**	± 0.6651	0.07192	**0.882**	± 0.5111	0.60651	TTATTTTTCTTGAAATAGTTTTTTATAATCTCCGCCCAATAGTTTACACTC
plasmid_cp32-7	17972	BB_O29		**1.719**	± 0.861	0.126124	**1.96**	± 1.2106	0.12163	**0.572**	± 0.339	0.15878	**1.201**	± 0.5864	0.32703	TATTCTGAATAAAGCTTATTTTTTGAATAATTGAGTTTATATTATCTTTTG
plasmid_cp32-7	18011	BB_O29		**0.914**	± 0.691	0.57308	**0.575**	± 0.9907	0.33938	**0.606**	± 0.4728	0.04055	**0.534**	± 0.3153	0.31279	TATTATCTTTTGTTGTAGGGCTATTTACCCAATCTTTTATATTAGACAAAG
plasmid_cp32-7	18275	BB_O29		**1.245**	± 1.0517	0.634491	**1.445**	± 1.4761	0.57441	**1.013**	± 0.5827	0.93467	**1.136**	± 0.6701	0.52902	GATACTGATGCAGCTCCTATTTACAATAATCACGAAAACGAAAATTCTATG
plasmid_cp32-7	18328	BB_O29		**1.783**	± 0.5021	0.039676	**1.335**	± 0.9306	0.51968	**0.737**	± 0.1872	0.13897	**0.799**	± 0.1784	0.28449	CTTATGTCAAAAGGTATGCTTTAGTTGCAGCTCTTGGTATAGAAAGTGAAA
plasmid_cp32-7	18361	BB_O29		**2.085**	± 1.6135	0.118628	**1.776**	± 1.6208	0.21984	**1.284**	± 0.8834	0.58673	**1.259**	± 0.8732	0.34143	TTTGTAACTTTAGACCCATTTTCATTGTTCCATTGTAAATTTTCTGTAGGA
plasmid_cp32-7	18453	BB_O29		**1.333**	± 0.8802	0.593148	**2.322**	± 3.0419	0.53046	**1.072**	± 0.4679	0.82002	**1.692**	± 0.7902	0.19962	CAGTACAAGTACTGGATATGAATTTTCTTTTGATACGCGAATTCCTACAGA
plasmid_cp32-7	18482	BB_O29		**1.902**	± 0.9786	0.014718	**1.609**	± 1.2625	0.21053	**1.039**	± 0.5423	0.89171	**0.74**	± 0.4078	0.28594	TGCCATATTGACCCTCTATAGAAATTGGATATTGCTCAATATCAAGCTCCA
plasmid_cp32-7	18500	BB_O29		**2.544**	± 1.3023	0.118258	**1.527**	± 1.268	0.48723	**0.864**	± 0.5013	0.62734	**0.899**	± 0.3631	0.50875	TAGAAATTGGATATTGCTCAATATCAAGCTCCAAATTGTGCTTTTTAATAA
plasmid_cp32-7	18523	BB_O29		**2.732**	± 1.2502	0.061175	**1.624**	± 1.1319	0.30646	**1.055**	± 0.3677	0.45497	**1.081**	± 0.315	0.51607	TCAAGCTCCAAATTGTGCTTTTTAATAACATTTTTAATTTCTCTAACTATT
plasmid_cp32-7	18682	BB_O29		**2.646**	± 0.9201	0.05642	**1.454**	± 0.4297	0.10671	**1.058**	± 0.3413	0.10042	**1.182**	± 0.2955	0.27702	TTCAAGCAAAAATAAGCTTCAGAAAAGATATGAAAACCCTAAAAATGAATT
plasmid_cp32-7	18767	BB_O29		**1.030**	± 0.4473	0.913393	**0.755**	± 0.6441	0.68071	**0.85**	± 0.3805	0.66848	**0.959**	± 0.491	0.9038	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAATTTTTGTAAAAAAG
plasmid_cp32-7	22158	BB_O34	*bdrM*	**2.029**	± 0.9883	0.047874	**1.195**	± 0.6955	0.64512	**1.081**	± 0.5234	0.06964	**0.829**	± 0.4163	0.67973	GTGAGGAGGCAATAGATTTTGTTTTTCTTCATAATGATAATTTCAATTTTG
plasmid_cp32-7	22274	BB_O34	*bdrM*	**1.245**	± 0.7606	0.564871	**1.021**	± 0.6068	0.96709	**0.546**	± 0.2604	0.0377	**0.823**	± 0.2929	0.0356	TATCTAAATTAGATATATCTTTTCTCAAATTCTTTTCTAAATCGATTATTT
plasmid_cp32-7	22527	BB_O34	*bdrM*	**1.782**	± 1.485	0.263144	**2.028**	± 1.9986	0.37129	**1.048**	± 1.1376	0.92018	**0.94**	± 0.9361	0.91368	GTCTAGATAATAAAATAGATGTTTTAAAAAATGAACTTAATGCAAGCAATA
plasmid_cp32-7	22953	IG 191		**1.678**	± 1.069	0.068337	**1.774**	± 2.0621	0.38719	**0.997**	± 0.7036	0.98837	**1.08**	± 0.7847	0.67961	TGTGTATAGCTAAATAAGTATATTGCTATCAAAAAAATCCAATTAAGTTGG
plasmid_cp32-7	23096	BB_O36	*bppA*	**1.038**	± 0.1651	0.688998	**0.694**	± 0.5723	0.47359	**0.942**	± 0.2654	0.70983	**1.088**	± 0.5877	0.82717	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTACAAAAAA
plasmid_cp32-7	23113	BB_O36	*bppA*	**2.371**	± 1.0673	0.096309	**1.458**	± 0.4986	0.00666	**0.891**	± 0.4465	0.49093	**1.191**	± 0.449	0.61844	ATAAATATAAGTATATAGCAAAAACTATTTTTGCCAACTTTTTTACAAAAA
plasmid_cp32-7	23124	BB_O36	*bppA*	**1.706**	± 0.8222	0.220203	**1.681**	± 1.8722	0.56183	**1.1**	± 0.5413	0.74254	**0.999**	± 0.3411	0.99109	GGAGTAAAAAGATGGAAAATCTTTCAAACAATAATAATCCACAAGAAAATA

plasmid_cp32-7	23160	BB_O36	*bppA*	**1.480**	± 1.6339	0.447649	**0.848**	± 0.7668	0.84078	**0.987**	± 0.552	0.97485	**2.186**	± 1.3427	0.00604	ATCCACAAGAAAATATTCAAGGAGAGCTCAAAATGATAAGTATTAATCAAC
plasmid_cp32-7	23493	BB_O36	*bppA*	**1.257**	± 1.2412	0.702766	**0.513**	± 0.4387	0.281	**0.552**	± 0.6619	0.15831	**0.447**	± 0.3076	0.23759	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-7	23673	BB_O36	*bppA*	**1.990**	± 1.8813	0.253735	**1.006**	± 0.7681	0.96117	**0.886**	± 0.7612	0.81406	**0.953**	± 0.606	0.91317	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-7	23727	BB_O36	*bppA*	**2.288**	± 0.9411	0.018957	**1.086**	± 0.8276	0.7107	**0.76**	± 0.3537	0.55009	**1.018**	± 0.4947	0.89451	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGCAGTA
plasmid_cp32-7	23861	BB_O36	*bppA*	**3.333**	± 2.2928	0.079521	**2.256**	± 2.5815	0.37276	**0.971**	± 0.544	0.85981	**1.157**	± 0.7995	0.47052	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-7	23906	BB_O36	*bppA*	**1.429**	± 0.9347	0.529947	**1.923**	± 1.2369	0.32998	**1.174**	± 0.8964	0.77113	**0.623**	± 0.1745	0.13943	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-7	23967	BB_O36	*bppA*	**1.720**	± 0.4141	0.048514	**1.523**	± 1.3253	0.54252	**0.941**	± 0.1353	0.50274	**0.982**	± 0.3154	0.88144	TCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTCAAAC
plasmid_cp32-7	23971	BB_O36	*bppA*	**1.478**	± 0.6648	0.293366	**1.061**	± 1.5941	0.95621	**0.397**	± 0.3448	0.027	**0.522**	± 0.5531	0.38142	AATATCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTC
plasmid_cp32-7	23976	BB_O36	*bppA*	**1.449**	± 0.4712	0.187614	**0.919**	± 0.3545	0.76145	**0.807**	± 0.4062	0.17865	**0.798**	± 0.2827	0.1827	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-7	23979	BB_O36	*bppA*	**2.074**	± 1.5138	0.103799	**1.893**	± 1.8175	0.28935	**1.055**	± 0.6055	0.70752	**1.103**	± 0.6244	0.55274	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-7	24110	BB_O36	*bppA*	**0.941**	± 0.3715	0.789062	**1.787**	± 1.4374	0.3578	**0.648**	± 0.6153	0.32511	**0.721**	± 0.3845	0.09745	GAATATGTTGATTGTGCAGACCTTGAAATTAAGGATAATCAATCTGCTGAA
plasmid_cp32-7	24209	BB_O36	*bppA*	**2.661**	± 1.9228	0.083211	**2.473**	± 1.4729	0.00901	**0.937**	± 0.8851	0.58625	**1.189**	± 0.9314	0.80986	AATAGAATCCAAAACGAAAATAAAAAAAGAGAAAAGCCCATTAAAGATAGG
plasmid_cp32-7	24282	BB_O36	*bppA*	**2.422**	± 1.6374	0.078447	**1.57**	± 1.543	0.40265	**0.932**	± 0.4836	0.70197	**0.78**	± 0.4766	0.16613	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-7	24292	BB_O36	*bppA*	**1.913**	± 1.6573	0.325565	**1.862**	± 1.3189	0.21468	**1.035**	± 0.6849	0.94819	**1.652**	± 0.8177	0.05228	TGTATTTGTAATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTT
plasmid_cp32-7	24318	BB_O36	*bppA*	**4.600**	± 5.1214	0.224928	**3.96**	± 4.6518	0.30036	**1.592**	± 2.6814	0.75835	**3.225**	± 3.8108	0.329	TAATTTAGCTGCTCAATTAGTGGATATGTATTTGTAATATTGTAAATTAGC
plasmid_cp32-7	24386	BB_O36	*bppA*	**2.784**	± 1.6738	0.170946	**2.059**	± 1.4203	0.27518	**0.954**	± 0.5989	0.87308	**1**	± 0.1952	0.99983	GTCCCTTCAATCTATCTGATATTGCCCTTTTCTTAGGGTCAAGAGTAAACA
plasmid_cp32-7	24389	BB_O36	*bppA*	**3.847**	± 4.8604	0.358124	**3.443**	± 4.4642	0.36946	**1.313**	± 1.3983	0.69414	**1.324**	± 1.9769	0.78834	GTAGTCCCTTCAATCTATCTGATATTGCCCTTTTCTTAGGGTCAAGAGTAA
plasmid_cp32-7	24500	IG 192		**2.014**	± 0.6619	0.132723	**2.082**	± 0.4066	0.00667	**0.776**	± 0.8387	0.62936	**1.758**	± 0.3478	0.0234	GGAGGATTAATTAATGCTTATTAATAAAATAAAACAAGATAATAGAACTTT
plasmid_cp32-7	24601	BB_O37	*bppB*	**2.415**	± 0.965	0.075875	**1.337**	± 0.9996	0.55205	**1.297**	± 0.4987	0.34143	**1.204**	± 0.4512	0.41892	TAATAATGTAGACACAAAAAGTAACAACCCCATTTTTGTATCTCCGGTCTT
plasmid_cp32-7	24840	BB_O37	*bppB*	**0.842**	± 0.3324	0.434243	**0.673**	± 0.5913	0.48966	**1.065**	± 0.402	0.71279	**1.032**	± 0.5959	0.92533	GCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAGCCTCGT
plasmid_cp32-7	24922	BB_O37	*bppB*	**1.809**	± 1.2968	0.267689	**1.43**	± 1.3699	0.67883	**1.013**	± 0.6716	0.97882	**1.135**	± 1.1887	0.69305	TATTTAGACTAAAGTAGTTTTTTTAAAGTTTAAGGTTATTTTTCATGCATT
plasmid_cp32-7	25007	BB_O38	*bppC*	**1.739**	± 0.7472	0.014816	**1.27**	± 0.9153	0.43223	**0.94**	± 0.4997	0.87574	**1.134**	± 0.4688	0.31165	TGGACTCTCTGCTGCTAACAAAATTCACGCTTATAAATGCATGAAAAATAA
plasmid_cp32-7	25014	BB_O38	*bppC*	**1.893**	± 0.5169	0.055262	**1.483**	± 1.1082	0.43591	**0.94**	± 0.2837	0.00319	**1.215**	± 0.4225	0.30683	TTATCAATTTCATTGGTTGAATGATATTTCATAAGTTCTTTAATCTGGAAA
plasmid_cp32-7	25068	BB_O38	*bppC*	**1.473**	± 0.7274	0.120693	**1.238**	± 0.8577	0.53019	**0.684**	± 0.2795	0.23017	**0.88**	± 0.3404	0.6299	ACTCTTTCCAGATTAAAGAACTTATGAAATATCATTCAACCAATGAAATTG
plasmid_cp32-7	25110	BB_O38	*bppC*	**2.270**	± 1.3117	0.05731	**3.543**	± 4.1671	0.29983	**1.463**	± 1.4883	0.50852	**2.097**	± 1.1984	0.08878	AATAAATGAAGAGATTTATTAGCACGAAAGCCTGATTTTTTAAGAAGAATT
plasmid_cp32-7	25111	BB_O38	*bppC*	**2.009**	± 2.0554	0.395898	**2.327**	± 2.8433	0.43078	**0.98**	± 0.5845	0.93813	**0.957**	± 0.7113	0.88217	TTTAGAAATTTATTTATTTCAAATTTAAAATCTAATGGCTATAACTCTTTC
plasmid_cp32-7	25707	BB_O38	*bppC*	**2.352**	± 1.132	0.03645	**2.181**	± 1.4489	0.22564	**1.48**	± 1.1839	0.4852	**1.581**	± 1.0906	0.19013	ATTATTTTAATTTAAATAATTTCAATATGGATTTTATGCTCAAACTATTTC
plasmid_cp32-7	25713	BB_O38	*bppC*	**1.927**	± 1.2198	0.005251	**1.656**	± 1.6078	0.26587	**0.88**	± 0.5852	0.57375	**1.293**	± 0.8994	0.26323	ATATCCATAAAATCCTCTCCTTAGAAGTGTTACTTTTAAATTAAGTAAAAG
plasmid_cp32-7	26862	IG 193		**1.380**	± 1.0188	0.56508	**2.288**	± 2.5294	0.46271	**0.215**	± 0.2949	0.05503	**0.512**	± 0.5468	0.44774	GAAATTCAAAACAAAGGAGAAAACAAAAAGTATGAATAAAAAAATATTGAT
plasmid_cp32-7	27142	BB_O40	*erpM*	**1.432**	± 0.3386	0.104952	**1.344**	± 1.2675	0.7101	**0.78**	± 0.3021	0.27027	**0.676**	± 0.1736	0.20754	TTGCTCTGTTATTAGGATCATCGCCCTGCATTAATTCATTATCTTCATCTT
plasmid_cp32-7	27664	BB_O40	*erpM*	**1.661**	± 1.5516	0.238581	**3.013**	± 3.2055	0.10604	**1.011**	± 0.8348	0.98447	**1.103**	± 1.3603	0.92543	TATGATGATTTTACTGATGGGAATAAAGCTATATACAAAACTTGGGGAGAT
plasmid_cp32-7	28011	BB_O41		**1.944**	± 1.0337	0.092255	**2.016**	± 1.4176	0.19656	**0.814**	± 0.2985	0.39689	**1.348**	± 0.5168	0.34977	AAATTTAGTTACATTTAAAGTTCTTTATCAATATGAATTACTATCCTCAAT
plasmid_cp32-7	28408	BB_O42		**2.036**	± 0.7542	0.057901	**1.825**	± 1.4438	0.36693	**0.863**	± 0.5068	0.49548	**1.123**	± 0.418	0.33034	AGCATATAATAGAAAAGTATAAAAATTTCCAAAATAGGAAGTTTGATTGTA
plasmid_cp32-7	29138	BB_O43		**1.961**	± 1.7271	0.105633	**1.879**	± 2.1654	0.32639	**0.918**	± 0.6795	0.7274	**1.001**	± 0.7537	0.99327	TCTAATTCACTTATAACTTTCCTAGCGTTAACTTCTGATTTAAAAGTTTGT
plasmid_cp32-7	29435	BB_O43		**1.093**	± 0.4407	0.381313	**0.443**	± 0.3171	0.2012	**0.863**	± 0.2552	0.09924	**0.928**	± 0.3149	0.00354	CTATTTTTGTAGTTGCTTTTGCTTTCAGCCTCATTAGCAGTTGTAAGTTTT
plasmid_cp32-7	29457	BB_O44		**1.941**	± 0.7235	0.046253	**2.121**	± 1.4284	0.22737	**0.927**	± 0.3222	0.50857	**1.074**	± 0.3716	0.38736	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-7	29532	BB_O44		**1.536**	± 0.8311	0.077451	**0.766**	± 0.73	0.12161	**0.559**	± 0.4012	0.36106	**0.721**	± 0.4709	0.17399	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAGAACAGCTA
plasmid_cp32-7	29589	BB_O44		**2.436**	± 1.8543	0.071507	**2.074**	± 2.6417	0.40973	**1.047**	± 0.6984	0.91697	**1.09**	± 0.6405	0.80387	AAACAAAAAAATGTGATAAAAAGCATTAAAAAGAATAATGAAAAGAAGATT
plasmid_cp32-7	29623	BB_O44		**1.741**	± 2.1129	0.372187	**1.954**	± 2.6099	0.4149	**0.528**	± 0.3996	0.2893	**0.608**	± 0.6462	0.05321	TTCTTTTTAATGCTTTTTATCACATTTTTTTGTTTTAAAGTTAGCTGTTCT
plasmid_cp32-7	29640	BB_O44		**1.950**	± 0.855	0.11551	**0.906**	± 1.027	0.862	**1.202**	± 1.1062	0.71896	**1.11**	± 0.8994	0.76236	TAATCTTCTTTTCATTATTCTTTTTAATGCTTTTTATCACATTTTTTTGTT
plasmid_cp32-7	29932	BB_O44		**1.034**	± 0.455	0.421904	**0.48**	± 0.3701	0.28398	**0.953**	± 0.4189	0.4331	**0.989**	± 0.37	0.82126	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCACCATATAGATTA
plasmid_cp32-7	30062	BB_O44		**1.458**	± 2.0056	0.420521	**1.386**	± 1.319	0.31887	**0.753**	± 0.7025	0.5328	**0.576**	± 0.5882	0.30111	GTGTTCCGGATGATCGGGGTTAGTATCAAAAATAATAGTTTCTTGCCCACA
plasmid_cp32-7	30283	BB_O44		**2.201**	± 0.6594	0.102887	**1.771**	± 1.9421	0.58273	**1.063**	± 0.792	0.88391	**1.404**	± 0.727	0.48897	GCCCGATAGCATATTTAGACCCAGCATTTAGTGTTGGAGGGGATAACACTG
plasmid_cp32-7	30339	BB_O44		**3.442**	± 2.3676	0.212121	**1.786**	± 0.9971	0.28748	**1.687**	± 0.166	0.00647	**2.595**	± 1.3155	0.17076	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-7	30673	BB_O44		**0.332**	± 0.3408	0.250791	**0.29**	± 0.2739	0.23311	**0.55**	± 0.4271	0.271	**0.348**	± 0.4679	0.17572	TTTATTCGTATAAAGGAGATAACAAAACCCATGATGATGCTCTTGATGCAA
plasmid_cp32-8	96	BB_L01		**2.321**	± 1.0994	0.054683	**1.575**	± 1.2925	0.38674	**0.993**	± 0.3533	0.93772	**1.11**	± 0.4837	0.23536	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-8	274	BB_L01		**0.824**	± 0.7734	0.641957	**0.867**	± 1.0196	0.86692	**1.74**	± 1.4363	0.47675	**0.623**	± 0.6437	0.4208	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-8	279	BB_L01		**1.866**	± 0.8098	0.07712	**1.869**	± 1.6323	0.34196	**0.944**	± 0.3279	0.69611	**1.135**	± 0.5438	0.31412	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACC
plasmid_cp32-8	333	BB_L01		**2.979**	± 1.2954	0.008456	**1.226**	± 0.9175	0.71119	**0.461**	± 0.4529	0.3753	**0.582**	± 0.5334	0.47078	ATAGATCTCGAACAACCCGTTAATATAGAATTACCTATTGGTTTTGAATAC

plasmid_cp32-8	395	BB_L01	**1.731**	± 0.2909	0.015623	**1.412**	± 0.7606	0.43504	**1.053**	± 0.1634	0.03457	**0.924**	± 0.171	0.21421	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGTTG
plasmid_cp32-8	398	BB_L01	**1.774**	± 0.5458	0.022984	**1.495**	± 0.8404	0.34788	**0.685**	± 0.2415	0.01611	**0.989**	± 0.2571	0.93409	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-8	399	BB_L01	**1.258**	± 0.369	0.336319	**0.57**	± 0.4082	0.18297	**1.09**	± 0.2371	0.55322	**1.145**	± 0.339	0.51841	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_cp32-8	427	BB_L01	**3.354**	± 3.9966	0.401016	**1.261**	± 1.346	0.77742	**2.111**	± 0.7495	0.07795	**2.063**	± 1.8242	0.41844	TGATCAAAATCAACTCCCAAATCTCTTACATATTCATAATCAAGGTATTCA
plasmid_cp32-8	432	BB_L01	**1.243**	± 1.4319	0.611091	**1.75**	± 1.5577	0.25749	**0.402**	± 0.3193	0.08436	**0.463**	± 0.6155	0.13435	ACCTATAAAGTAAAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAA
plasmid_cp32-8	444	BB_L01	**2.009**	± 1.2408	0.290683	**1.541**	± 0.6316	0.07078	**1.193**	± 0.5201	0.52085	**0.809**	± 0.3279	0.53202	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-8	478	BB_L01	**2.177**	± 1.7175	0.243426	**1.266**	± 1.1539	0.74736	**0.665**	± 0.2876	0.33484	**1.461**	± 0.5527	0.08559	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-8	490	BB_L01	**2.693**	± 1.2086	0.146663	**1.54**	± 2.3436	0.73529	**0.454**	± 0.251	0.15435	**1.078**	± 0.4605	0.84628	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-8	504	BB_L01	**0.556**	± 0.3781	0.138187	**0.327**	± 0.216	0.0395	**0.764**	± 0.4867	0.40807	**0.354**	± 0.3141	0.22148	TGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTTAT
plasmid_cp32-8	506	BB_L01	**3.459**	± 2.5074	0.034033	**2.087**	± 2.4884	0.34816	**1.134**	± 0.7023	0.7769	**1.244**	± 0.8777	0.2233	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-8	507	BB_L01	**1.444**	± 1.0689	0.330772	**1.392**	± 1.25	0.41664	**1.066**	± 0.818	0.83294	**1.303**	± 1.0652	0.45856	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-8	521	BB_L01	**2.125**	± 0.8452	0.075966	**1.192**	± 0.6524	0.73271	**0.979**	± 0.4124	0.9157	**1.132**	± 0.4489	0.67731	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-8	524	BB_L01	**1.952**	± 0.3438	0.040761	**1.254**	± 0.7914	0.63563	**1.363**	± 0.2121	0.01232	**1.855**	± 1.0007	0.22175	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-8	526	BB_L01	**1.026**	± 0.7511	0.908095	**0.131**	± 0.1434	0.07704	**0.616**	± 0.9321	0.37572	**1.466**	± 1.0875	0.39905	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT
plasmid_cp32-8	578	BB_L01	**2.531**	± 1.3542	0.070257	**2.52**	± 2.1761	0.25992	**0.714**	± 0.3684	0.21953	**1.375**	± 0.7421	0.1758	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-8	744	BB_L01	**1.886**	± 0.7223	0.12099	**1.983**	± 1.5906	0.36844	**0.978**	± 0.2182	0.91123	**1.121**	± 0.218	0.00087	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-8	1039	BB_L01	**0.874**	± 0.5228	0.670779	**0.779**	± 0.4553	0.62981	**0.269**	± 0.1794	0.11879	**0.345**	± 0.3548	0.2382	TCACCTTTACCATCATTTCCTAGTCCTTTAGCCTGCTCATTAAAACTTCTG
plasmid_cp32-8	1042	BB_L01	**3.983**	± 3.1022	0.065092	**2.941**	± 4.4439	0.40865	**0.871**	± 0.6276	0.76688	**1.021**	± 0.8598	0.97655	GGAGTAATTATTACGATTTTCTCAAAGGTGTACAAGAACAAGTTGAGAACT
plasmid_cp32-8	1214	BB_L01	**1.529**	± 1.0012	0.192184	**1.898**	± 2.3946	0.41608	**1.061**	± 1.009	0.70159	**0.963**	± 0.9029	0.82169	TAACCAGCTTATACAAAGTAGCTCATTTAATAATGAGGAGCTAGCGATGTT
plasmid_cp32-8	1626	BB_L02	**2.305**	± 1.306	0.241101	**1.25**	± 1.1645	0.71307	**0.571**	± 0.2889	0.07514	**0.904**	± 1.3094	0.92422	TCCTTTTGCAAGTAGCACCTCTTTGTTAAAATGATTGCTAAGATGTGCTTT
plasmid_cp32-8	1631	BB_L02	**0.995**	± 1.138	0.99211	**0.985**	± 1.0603	0.96673	**1.023**	± 0.8489	0.92537	**0.999**	± 0.8531	0.99404	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_cp32-8	1636	BB_L02	**2.449**	± 1.7397	0.173578	**2.111**	± 2.6358	0.51335	**0.791**	± 0.6103	0.7036	**1.004**	± 0.7513	0.98954	AAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCGTTCCA
plasmid_cp32-8	1747	BB_L02	**1.498**	± 0.8228	0.127346	**0.375**	± 0.2836	0.20461	**0.929**	± 0.7317	0.75297	**1.237**	± 0.7875	0.50313	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_cp32-8	1928	BB_L02	**1.498**	± 0.6306	0.29279	**1.15**	± 0.2003	0.34661	**0.669**	± 0.2495	0.127	**0.546**	± 0.4492	0.21909	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-8	1931	BB_L02	**2.224**	± 1.526	0.07095	**1.451**	± 1.3456	0.34177	**1.28**	± 0.6971	0.27242	**0.945**	± 0.5339	0.78542	CATACAAGCAAAGACGAATTCAATTTTATGAAAATCTAAAAAGACATAAAA
plasmid_cp32-8	2216	BB_L03	**1.639**	± 0.8869	0.257919	**1.037**	± 0.7328	0.94208	**0.676**	± 0.5043	0.39249	**0.775**	± 0.4821	0.34387	TACGGATACCCTTTAGCAGGGTAATTCTCTATTTTGTCTTTACTGCTAGTG
plasmid_cp32-8	2231	BB_L03	**1.609**	± 1.0994	0.210506	**1.727**	± 1.2233	0.26648	**1.333**	± 0.9368	0.5349	**1.215**	± 0.5338	0.54219	AGCTTAGTTTTGGAGATGGAACAACCGAACTAGAAGTTGAGGCTGGTGGTG
plasmid_cp32-8	2341	BB_L03	**2.051**	± 1.0791	0.2103	**1.468**	± 1.0112	0.48474	**0.926**	± 0.4887	0.78411	**0.858**	± 0.2155	0.20914	TAACAGTTGCCATACCGCTAAACTCATCTATATCGGAACACACTCCATATA
plasmid_cp32-8	2698	BB_L04	**0.400**	± 0.3495	0.224086	**0.349**	± 0.555	0.23756	**0.74**	± 0.2943	0.38178	**0.476**	± 0.377	0.00919	CGTCCTCAGCTTGTCTTGCTTGCCGTTTAGCTCTAGGAGCAGCGGAAACTT
plasmid_cp32-8	2993	BB_L04	**1.028**	± 0.692	0.914354	**0.755**	± 0.7024	0.73351	**1.29**	± 0.8928	0.19648	**1.317**	± 1.0137	0.07769	TCAGTATCAGCTCCAACTTCAACATATATAGAGTTCTCTTTTGGAACAAGT
plasmid_cp32-8	3004	BB_L04	**2.410**	± 1.2925	0.096309	**1.414**	± 1.4532	0.62095	**0.767**	± 0.3976	0.0542	**1.067**	± 0.7405	0.90262	TCCCATACATATCAGTATCAGCTCCAACTTCAACATATATAGAGTTCTCTT
plasmid_cp32-8	3203	BB_L04	**1.827**	± 0.7526	0.040686	**1.721**	± 1.2206	0.28307	**1.081**	± 0.5251	0.51947	**1.419**	± 0.4984	0.11882	CAATCAATTTTGCACCCGAAGATGGAAATCAAGATCAAAATAGATATCCTA
plasmid_cp32-8	3249	BB_L04	**0.102**	± 0.1794	0.074225	**0.33**	± 0.5252	0.182	**0.275**	± 0.3209	0.12329	**0.347**	± 0.4222	0.17455	TCCTAGGCAAGAGTATTCTATTAATTTGATAAAAGTTGCAATTTTTGGAAA
plasmid_cp32-8	3376	BB_L05	**4.180**	± 2.8506	0.072454	**2.451**	± 2.0423	0.17063	**1.163**	± 0.7616	0.32117	**1.353**	± 0.9844	0.35724	TCTCCCATTTATTTACCTCCTTTTATTCGCCCAAAGTTTAACCACCATCAG
plasmid_cp32-8	3393	BB_L05	**2.510**	± 1.9165	0.315743	**2.171**	± 2.5598	0.43195	**1.404**	± 0.5821	0.07674	**1.741**	± 1.0904	0.36728	AAAGAGTATCAAGAGAAAAGAAGTAAACTGGAAAAGTTTATGAAAAATCCC
plasmid_cp32-8	3668	BB_L05	**2.177**	± 2.1573	0.317354	**1.882**	± 2.4068	0.45564	**0.543**	± 0.4424	0.40579	**1.12**	± 0.7906	0.85524	TGGAATATGCATTGACATAGATGAGTTTAGTAAAACAGCTACTATTGTGCC
plasmid_cp32-8	3694	BB_L05	**1.730**	± 0.5709	0.143306	**1.88**	± 1.6022	0.41942	**0.88**	± 0.2089	0.09013	**1.153**	± 0.3921	0.26607	AACTCATCTATGTCAATGCATATTCCATATAAGTCTTCACCTCCACCAGCC
plasmid_cp32-8	3727	BB_L05	**2.862**	± 1.6353	0.164144	**2.116**	± 1.8237	0.43693	**1.61**	± 1.3411	0.55936	**1.416**	± 0.749	0.02255	TTGGTAATTGGCACAATAGTAGCTGTTTTACTAAACTCATCTATGTCAATG
plasmid_cp32-8	3796	BB_L05	**1.726**	± 1.1742	0.138387	**2.015**	± 1.7257	0.13835	**1.037**	± 0.7269	0.91454	**1.697**	± 1.382	0.18031	AAGACGGTGCTCTTGAAAAGGTGACTGGAGCACCAAATAAAGCAACTATTA
plasmid_cp32-8	4067	BB_L06	**1.600**	± 0.5938	0.12024	**0.876**	± 0.2676	0.13033	**0.773**	± 0.1393	0.16263	**0.988**	± 0.1675	0.88817	AGATGTTGATCTACAAATGGGATATCAAAAAACCGTAAAATGGGACGCGTT
plasmid_cp32-8	4222	BB_L06	**2.510**	± 1.5204	0.142759	**2.481**	± 2.1822	0.30112	**0.868**	± 0.4358	0.31854	**1.113**	± 0.6472	0.56808	AATTCAGACATTTAAAGCAGACTTCTGAGAAATTTTATACTTCAGATTCAT
plasmid_cp32-8	4489	BB_L06	**2.297**	± 1.7884	0.212385	**1.877**	± 2.4674	0.52393	**0.82**	± 0.6401	0.46039	**1.139**	± 0.5904	0.37318	AAATGGATAAAATCTTTGAAAAGATTGAGGCTGGACTTTCAAAGTTAGAAC
plasmid_cp32-8	4678	BB_L06	**1.959**	± 1.149	0.111318	**0.324**	± 0.1307	0.10012	**0.433**	± 0.1807	0.11067	**0.675**	± 0.4823	0.06387	AGGCTATTAATAATAGAGAAGATGTTTACATTGAAACTTCAAACTTGCTGA
plasmid_cp32-8	4789	BB_L06	**2.250**	± 1.0413	0.1203	**1.224**	± 0.7348	0.69937	**0.981**	± 0.5128	0.96256	**1.059**	± 0.4697	0.78739	TACTTGCTAGGTTTAAATTTAATAAGTTCAGAATTTAGTGGATAAATGAGT
plasmid_cp32-8	5093	BB_L07	**1.295**	± 0.4026	0.399042	**1.324**	± 1.6053	0.76807	**0.8**	± 0.4146	0.57973	**0.772**	± 0.339	0.45252	GCTTGAAGTAAGGATAAATGAAGTAGAAAATTTTGCCTGCTTAGTGCAAAT
plasmid_cp32-8	5259	BB_L07	**1.108**	± 0.7718	0.849363	**1.497**	± 1.1928	0.40219	**0.501**	± 0.2902	0.26577	**0.653**	± 0.4799	0.55955	TTATCCTAGTAGCAGTGGAGGCGAAGAAGGCGGCGAGGGGAGTTGTGGCTC
plasmid_cp32-8	5566	BB_L08	**1.605**	± 0.6492	0.064241	**1.593**	± 1.5768	0.50773	**0.826**	± 0.2878	0.09832	**1.132**	± 0.5279	0.39985	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_cp32-8	5633	BB_L08	**0.433**	± 0.1944	0.118028	**0.428**	± 0.3908	0.22418	**1.184**	± 0.4044	0.06844	**1.048**	± 0.3894	0.46924	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACCAAAAGACCGAAT
plasmid_cp32-8	5648	BB_L08	**4.295**	± 2.7306	0.110222	**0.822**	± 0.5553	0.58807	**1.214**	± 0.662	0.15603	**1.323**	± 0.8142	0.48237	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG

plasmid_cp32-8	5917	BB_L09	**2.704**	± 0.836	0.041662	**1.384**	± 0.7755	0.46957	**0.985**	± 0.2302	0.90407	**1.116**	± 0.2817	0.53976	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGG
plasmid_cp32-8	5928	BB_L09	**2.936**	± 1.8381	0.109398	**2.787**	± 2.5703	0.26985	**1.337**	± 0.9727	0.41535	**2.467**	± 1.5763	0.18607	GCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCGGGAATGGAGGCTA
plasmid_cp32-8	6014	BB_L09	**2.661**	± 1.3368	0.058942	**1.679**	± 1.2374	0.28644	**1.032**	± 0.3704	0.78236	**1.29**	± 0.5541	0.13273	GATAATTTTCATAGTATCTTATAAAAGCTTGTCCAATAGCCTCCATTCCCG
plasmid_cp32-8	6081	BB_L09	**2.408**	± 1.0752	0.074975	**0.976**	± 0.6056	0.85633	**1.372**	± 0.8804	0.41117	**0.991**	± 0.5537	0.98588	CTACCCCTTTTAAACTTACTTTTGATTGTATTAGCCTTTAAGGCTGGAGTG
plasmid_cp32-8	6139	BB_L09	**2.048**	± 1.5004	0.314838	**1.191**	± 1.175	0.81289	**0.56**	± 0.2348	0.17781	**0.759**	± 0.2475	0.2442	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_cp32-8	6178	BB_L10	**1.044**	± 0.4566	0.549023	**0.448**	± 0.3827	0.27929	**0.893**	± 0.4488	0.06914	**1.007**	± 0.4729	0.91376	TTAAATCATTTAACCCAAATATTTAAAGGGTTTAAGGCATATGCAACTGAA
plasmid_cp32-8	6254	BB_L10	**1.687**	± 2.2547	0.536598	**2.622**	± 1.4171	0.03922	**1.186**	± 1.1386	0.83946	**1.976**	± 1.2019	0.24517	TTTATGATATCGCACTCAAAATTATTTTCAGTTGCATATGCCTTAAACCCT
plasmid_cp32-8	6307	BB_L10	**2.064**	± 0.4086	0.034524	**1.148**	± 0.3377	0.59691	**0.866**	± 0.275	0.59551	**0.958**	± 0.1726	0.72488	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_cp32-8	6372	BB_L10	**2.524**	± 1.5377	0.058623	**2.071**	± 2.2711	0.31285	**0.711**	± 0.4507	0.36774	**1.037**	± 0.7682	0.91913	TGAAAATGCTTTGGAATTTAGTATAAATTTTCAAATATATATTATTGCAAT
plasmid_cp32-8	6421	BB_L10	**1.255**	± 0.5973	0.296807	**1.693**	± 1.2048	0.3437	**0.202**	± 0.2059	0.02253	**0.423**	± 0.1476	0.0286	TTGCAATAATATATATTTGAAAATTTATACTAAATTCCAAAGCATTTTCAT
plasmid_cp32-8	6473	BB_L10	**1.918**	± 1.5728	0.255361	**2.914**	± 2.358	0.20299	**0.55**	± 0.6524	0.49136	**0.777**	± 1.0377	0.77766	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_cp32-8	6496	BB_L10	**0.733**	± 0.6602	0.322922	**0.619**	± 0.5394	0.10482	**0.872**	± 0.3419	0.15469	**1.051**	± 0.4961	0.54408	CACAATAAAGCTCATAAGTATAATTTGCCCAGTCTACAACCCGACTATATT
plasmid_cp32-8	6545	BB_L10	**2.131**	± 1.6187	0.125182	**1.882**	± 1.8164	0.29915	**0.902**	± 0.6105	0.33825	**1.223**	± 0.6154	0.36031	TTAATAAAATTAACTTCTACATTTACCCAACATCTAATATGCAAACAGTTG
plasmid_cp32-8	6822	BB_L11	**1.272**	± 1.0585	0.42923	**0.453**	± 0.5186	0.33152	**1.17**	± 0.8782	0.51502	**1.649**	± 1.3235	0.23479	GCAGCATCTTTATTAACTTTGATTTTAGCTGTTTTGTAAACCAAAAGTGGA
plasmid_cp32-8	7364	BB_L11	**2.724**	± 0.9683	0.053977	**2.014**	± 1.7425	0.37937	**1.11**	± 0.4551	0.66492	**1.196**	± 0.3246	0.49724	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_cp32-8	7728	BB_L11	**2.504**	± 0.9742	0.062492	**2.502**	± 1.2692	0.18306	**1.685**	± 0.7261	0.1697	**1.084**	± 0.5143	0.4139	ATATTCACGCTAAGTTCTAATTTAAGTTGTGGCGTAGGAGAAAGAGTAAGC
plasmid_cp32-8	7737	BB_L11	**0.984**	± 1.4289	0.98491	**0.105**	± 0.1376	0.15298	**0.708**	± 0.5705	0.32407	**1.254**	± 0.9986	0.71301	ACTTTAGCATTAATGCTGTTGCTTTAGTAATTACTACTCAAGATATAGTTG
plasmid_cp32-8	7969	BB_L12	**2.045**	± 0.9472	0.118907	**2.007**	± 1.8747	0.39427	**1.121**	± 0.5103	0.63866	**1.075**	± 0.4353	0.49239	AGAGATCCCAAAACAATAACTTATGTTTTCAACATTGAAGTGACACTAGGT
plasmid_cp32-8	8141	BB_L12	**2.712**	± 0.9152	0.027022	**1.643**	± 1.7338	0.53188	**1.171**	± 0.4362	0.60913	**1.096**	± 0.3246	0.31409	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_cp32-8	8219	BB_L12	**1.917**	± 0.4945	0.068491	**1.914**	± 1.5753	0.40612	**0.959**	± 0.1379	0.61863	**0.96**	± 0.1972	0.58476	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-8	8270	IG 194	**2.244**	± 2.0402	0.425559	**0.814**	± 1.1995	0.85655	**1.278**	± 1.1118	0.75919	**0.866**	± 0.4043	0.50761	ATAAGAATCTCCTTTTAAGAGTTGTTTGGTTTAGATTTTTGGCAATTAATA
plasmid_cp32-8	8434	BB_L13	**1.681**	± 0.623	0.240125	**1.898**	± 1.5047	0.44265	**1.432**	± 0.8888	0.52698	**0.652**	± 0.3042	0.30657	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-8	8575	BB_L13	**3.058**	± 1.8407	0.202016	**1.469**	± 0.6561	0.30956	**1.542**	± 0.7541	0.17396	**1.417**	± 0.6396	0.2472	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-8	8645	BB_L13	**1.969**	± 0.5814	0.041463	**1.178**	± 0.7338	0.64293	**0.937**	± 0.502	0.80429	**1.156**	± 0.4605	0.62291	TTAATGAAAATTTTGATTATGAAAAAGTAGCCACTTCACTTTCATCAAGTA
plasmid_cp32-8	8746	BB_L14	**1.861**	± 0.6164	0.006025	**1.715**	± 1.2193	0.2715	**1.4**	± 0.5703	0.27799	**1.224**	± 0.4426	0.02699	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-8	8934	BB_L14	**1.189**	± 0.6466	0.739752	**0.551**	± 0.2795	0.12623	**0.718**	± 0.636	0.32542	**0.531**	± 0.5791	0.27654	TTGTATGAATTAATTTTAAGCAAGTGAGGACTTAGTGAGCGACAAATTCAC
plasmid_cp32-8	8965	IG 195	**2.687**	± 0.6394	0.024885	**1.244**	± 0.5152	0.41395	**1.53**	± 0.4958	0.15947	**1.319**	± 0.9793	0.66526	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_cp32-8	8968	BB_L15	**2.233**	± 0.7826	0.049005	**1.684**	± 0.8626	0.2946	**1.17**	± 0.2878	0.40243	**1.121**	± 0.3407	0.59222	GTGAGCGACAAATTCACCATTAAATTTAAAGGTATTCTTGATCATGCTGCA
plasmid_cp32-8	9140	BB_L15	**2.490**	± 1.9981	0.30603	**1.841**	± 2.2078	0.55171	**0.411**	± 0.4438	0.10778	**0.781**	± 0.328	0.4906	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-8	9419	BB_L15	**2.308**	± 1.9141	0.384553	**2.207**	± 1.9114	0.34923	**0.485**	± 0.5548	0.15778	**0.158**	± 0.2743	0.03176	GCGTTGCTAATGATATTCCCTAGGGCACTACCTATAGCAATTTTGGCAACA
plasmid_cp32-8	9665	BB_L15	**2.130**	± 0.7885	0.011609	**1.188**	± 0.8431	0.5611	**0.795**	± 0.3234	0.3776	**0.951**	± 0.4105	0.39903	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-8	9746	BB_L15	**2.388**	± 0.4723	0.025761	**1.698**	± 1.1526	0.38493	**1.297**	± 0.2861	0.18303	**1.172**	± 0.1351	0.10945	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-8	9784	BB_L15	**2.222**	± 0.4958	0.040068	**1.395**	± 0.9721	0.53467	**0.823**	± 0.2189	0.19678	**0.979**	± 0.2602	0.88307	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-8	10121	BB_L15	**1.392**	± 0.6233	0.024278	**1.316**	± 1.1186	0.49828	**0.775**	± 0.3759	0.17636	**0.799**	± 0.3711	0.15515	ATTATTTCTTTGCAAAATTAAAATCGATGCTACCTGGATGGATGGGCGGAG
plasmid_cp32-8	10650	BB_L16	**1.482**	± 0.8738	0.449742	**2.137**	± 1.4818	0.31904	**0.858**	± 0.6962	0.75397	**0.865**	± 0.8395	0.80623	TGTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_cp32-8	10687	BB_L16	**0.756**	± 0.7722	0.082607	**0.963**	± 1.0314	0.91158	**0.428**	± 0.3324	0.09037	**1.852**	± 1.7619	0.36966	TAAGGATATGATTTCTTTACTCAAAATGACTGTTTTTGGCAATACTATGCT
plasmid_cp32-8	10807	BB_L16	**1.147**	± 0.5274	0.080724	**0.991**	± 0.7144	0.96535	**0.63**	± 0.3615	0.32262	**0.761**	± 0.4019	0.1356	TATACTAAAAGGGACTTGTGCTTGTATTCTATTGGCTAGTTGTTCTTTTAC
plasmid_cp32-8	10810	BB_L16	**2.978**	± 1.5743	0.072651	**1.024**	± 1.0426	0.97302	**0.771**	± 0.7286	0.67797	**0.622**	± 0.3672	0.33955	TAGTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTT
plasmid_cp32-8	10812	BB_L16	**1.961**	± 0.9441	0.135155	**1.908**	± 1.8164	0.42793	**1.125**	± 0.2511	0.27279	**1.115**	± 0.4263	0.58122	GTCCAACTTTTGGCCTTAAAGAATTAGCTGTAATTACAAGTCTTTCGTTTA
plasmid_cp32-8	10977	BB_L17	**1.682**	± 0.599	0.065028	**1.282**	± 0.7934	0.45388	**0.877**	± 0.3258	0.69097	**1.302**	± 0.6416	0.25485	AAATTGAGTTCTACAATGTAGATACATCAAAAAAATCACCTGATGGAATTC
plasmid_cp32-8	10997	BB_L17	**1.889**	± 1.2409	0.053554	**1.591**	± 1.2836	0.21447	**0.845**	± 0.4989	0.309	**1.09**	± 0.6204	0.53393	GATACATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-8	10998	BB_L17	**1.743**	± 0.9998	0.024487	**0.473**	± 0.3729	0.34641	**0.994**	± 0.5311	0.96998	**1.024**	± 0.5678	0.74843	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-8	11001	BB_L17	**1.585**	± 1.0258	0.481573	**1.254**	± 0.7304	0.6251	**0.762**	± 0.3537	0.30843	**0.637**	± 0.196	0.14523	CATCAAAAAAATCACCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-8	11204	BB_L17	**1.350**	± 0.7337	0.508694	**1.212**	± 1.2643	0.73366	**0.386**	± 0.2083	0.05955	**0.571**	± 0.2756	0.1613	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-8	11212	BB_L17	**2.262**	± 0.862	0.095947	**1.538**	± 0.8309	0.32775	**0.974**	± 0.2827	0.8483	**1.18**	± 0.329	0.45154	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG
plasmid_cp32-8	11533	BB_L17	**2.957**	± 1.4879	0.156774	**0.799**	± 0.4441	0.32847	**1.064**	± 0.2853	0.7019	**1.029**	± 0.218	0.86252	TGTTCCTTTAATTTTGTCAATAAACTCTTTTGGTGTTGTGGCATAAATATC
plasmid_cp32-8	11536	BB_L17	**1.181**	± 0.3613	0.563096	**0.444**	± 0.1996	0.00408	**0.731**	± 0.1669	0.15872	**0.861**	± 0.2007	0.43461	TGTTCATAACGTAATAGCCGATATTGGTACTGGTTTACGGGGATATGAATG
plasmid_cp32-8	12122	BB_L18	**1.516**	± 0.4982	0.132783	**1.363**	± 1.1283	0.60858	**0.62**	± 0.3221	0.08214	**1.424**	± 0.5353	0.11695	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_cp32-8	12235	BB_L18	**3.600**	± 1.2004	0.016281	**3.176**	± 3.1984	0.33688	**2.271**	± 1.5329	0.31335	**1.152**	± 0.6978	0.66959	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA

plasmid_cp32-8	12236	BB_L18		**1.251**	± 0.7346	0.660639	**1.144**	± 0.6682	0.65661	**1.213**	± 0.7942	0.64257	**1.133**	± 0.6778	0.80317	AGTATATAAAAATGATGTTTGTCAAAGTGAATATCGTTATTTTTATCAAAA
plasmid_cp32-8	12239	BB_L18		**2.238**	± 0.8931	0.03002	**1.935**	± 1.4865	0.29156	**1.067**	± 0.3021	0.73833	**1.162**	± 0.3602	0.19031	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-8	12334	BB_L18		**1.219**	± 0.9912	0.674263	**1.183**	± 1.3914	0.79459	**0.788**	± 0.2832	0.37119	**1.308**	± 0.7627	0.6316	AAAAAAATTCTAGATAATATTGTTAGTGCTATCAATGGTATAAAAATTATA
plasmid_cp32-8	12535	BB_L19		**1.983**	± 1.1464	0.263919	**0.914**	± 0.5453	0.84194	**0.678**	± 0.522	0.17016	**0.694**	± 0.396	0.45042	TTAAATACCAATTCAAAATTATTGCCTAATCTTAAATCCATACTAGTAATT
plasmid_cp32-8	12618	BB_L19		**1.951**	± 3.1669	0.168233	**0.17**	± 0.3738	0.43994	**0.64**	± 1.0697	0.53371	**0.83**	± 1.2504	0.81937	AGCTATGCTCCTCATTGGGGATTGGACTATTTCTTGCTTTTAAAGCTGTTA
plasmid_cp32-8	12735	BB_L19		**1.137**	± 1.2324	0.848132	**1.092**	± 1.1587	0.90105	**0.272**	± 0.2614	0.12515	**0.67**	± 0.4745	0.45668	AATCTAAGTTAAGCTCTTTAGATATTTCATGAAAATAATTTTTTACAGCGT
plasmid_cp32-8	12775	BB_L19		**2.940**	± 0.8635	0.003942	**1.339**	± 1.01	0.56035	**0.843**	± 0.2518	0.31633	**1.138**	± 0.6329	0.72166	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_cp32-8	12780	BB_L19		**2.562**	± 3.3418	0.123363	**1.842**	± 2.4454	0.47743	**0.893**	± 1.2658	0.92432	**0.962**	± 1.2235	0.96669	TCCTTTTTTTTCTCCGGCGATGTTTTGAATATGGAGTTTAATTTATGAGCA
plasmid_cp32-8	13169	BB_L20		**1.684**	± 0.6493	0.084819	**1.532**	± 0.9931	0.36346	**0.932**	± 0.6052	0.70014	**1.451**	± 0.7254	0.08386	TGTTGGCTTTACCAGCTGCACTTTTAATATTAGTGTACTCAATCCCATCAA
plasmid_cp32-8	13172	BB_L20		**1.077**	± 0.5892	0.576301	**0.543**	± 0.4666	0.07253	**0.994**	± 0.3458	0.9499	**1.111**	± 0.376	0.35713	TATCTAATTCTAAAGGAAACTTTACTAGACACTAGTAAATCTAATATTAAT
plasmid_cp32-8	13206	BB_L20		**1.413**	± 0.3326	0.018206	**1.037**	± 0.3161	0.62703	**0.887**	± 0.149	0.32823	**1.083**	± 0.1758	0.47446	GTAAATCTAATATTAATAGTCCTGAATTTAAAGCAAAACTTTGGGAAACAT
plasmid_cp32-8	13256	BB_L20		**1.627**	± 0.5893	0.202939	**1.178**	± 1.3875	0.84816	**0.323**	± 0.1217	0.00884	**0.8**	± 0.5343	0.56825	ATGTTTCCCAAAGTTTTGCTTTAAATTCAGGACTATTAATATTAGATTTAC
plasmid_cp32-8	13346	BB_L20		**1.965**	± 1.8973	0.391704	**1.585**	± 1.5346	0.44443	**0.845**	± 0.6523	0.62523	**1.082**	± 0.8013	0.88785	TTTTATAGGATTTACGTTGTCCAGTTGAATTGAGACCATCAATTTCTATGT
plasmid_cp32-8	13377	BB_L20		**1.465**	± 2.0412	0.50895	**1.294**	± 1.8708	0.09794	**0.467**	± 0.6046	0.46364	**0.667**	± 1.0733	0.30238	TGAAAGTAAAGTATAAACTTGACCTTAAAAACTATCTCTACTTAAACATAG
plasmid_cp32-8	13408	BB_L20		**2.842**	± 1.2664	0.000619	**1.071**	± 0.8589	0.92221	**1.347**	± 1.0378	0.32359	**1.255**	± 0.6072	0.49173	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATGTAAACATATTTTCTTTT
plasmid_cp32-8	13467	BB_L20		**1.763**	± 0.3456	0.023294	**1.237**	± 0.342	0.37919	**0.792**	± 0.2331	0.28574	**1.07**	± 0.1408	0.11843	TTTGAAATAATCCTAGAATAAATGTCCCTAATTTGAGAGTCTATGTTTAAG
plasmid_cp32-8	13533	BB_L20		**0.904**	± 0.6879	0.860386	**0.607**	± 0.6671	0.48626	**0.741**	± 0.16	0.033	**0.423**	± 0.3142	0.16815	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-8	13838	BB_L21		**2.698**	± 1.5884	0.062121	**1.7**	± 1.4015	0.28243	**0.886**	± 0.4746	0.45867	**0.982**	± 0.4491	0.94207	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-8	14088	BB_L21		**1.742**	± 1.3551	0.410557	**1.855**	± 1.9183	0.4918	**1.064**	± 0.2833	0.75273	**1.059**	± 0.4193	0.74681	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_cp32-8	14186	BB_L21		**2.506**	± 1.6311	0.26324	**2.78**	± 3.771	0.51125	**1.299**	± 0.9126	0.65189	**1.191**	± 0.2203	0.10507	GTATTCAACTCACTTCCTAAGGGCTATGATCATTCAATTTATGCTTTTATT
plasmid_cp32-8	14224	BB_L21		**3.239**	± 1.0681	0.038804	**2.202**	± 1.4577	0.25657	**1.572**	± 0.4346	0.19382	**1.286**	± 0.7312	0.5471	AATTGAATGATCATAGCCCTTAGGAAGTGAGTTGAATACTAAAGCCTTTTT
plasmid_cp32-8	14280	BB_L21		**1.612**	± 0.8491	0.009872	**0.362**	± 0.2725	0.24018	**0.852**	± 0.4722	0.32943	**0.977**	± 0.6102	0.90081	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-8	14289	BB_L21		**1.923**	± 0.1762	0.006793	**1.275**	± 0.4119	0.40716	**1.137**	± 0.0721	0.00154	**1.308**	± 0.8443	0.59921	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-8	14420	BB_L22		**0.969**	± 0.5717	0.922447	**0.511**	± 0.5565	0.48715	**1.065**	± 0.8024	0.71487	**1.173**	± 0.7745	0.41625	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA
plasmid_cp32-8	14448	BB_L22		**0.891**	± 0.901	0.89658	**0.931**	± 1.058	0.93871	**0.241**	± 0.4114	0.28359	**1.685**	± 1.827	0.57405	CTGCTTGCAGCTCCATCATCAAGCAGTAAAAGATCAGTATCGTTAACGGTC
plasmid_cp32-8	14523	BB_L22		**1.618**	± 0.8943	0.017166	**1.209**	± 1.0133	0.54413	**0.606**	± 0.3454	0.39592	**0.993**	± 0.5825	0.97555	AAATAGTCTAATCCCTCTCCTTTAAATATTTTGTCTTTAGAAGCATCTAAA
plasmid_cp32-8	14616	BB_L22		**1.907**	± 0.968	0.062992	**1.635**	± 1.5864	0.44639	**0.907**	± 0.4178	0.11481	**0.976**	± 0.4586	0.51382	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_cp32-8	14676	BB_L22		**0.895**	± 0.5455	0.778223	**0.835**	± 1.1018	0.77362	**0.497**	± 0.3435	0.05593	**0.782**	± 0.342	0.21156	TCTGTAAGGCGTGATTTAATTTTACTAAAAAGGTTAGAAATATTAGTAGAA
plasmid_cp32-8	14684	BB_L22		**1.123**	± 1.1834	0.873956	**1.462**	± 1.4094	0.38021	**0.298**	± 0.2867	0.1984	**0.452**	± 0.4837	0.41154	TCATCAGCCACTTTATCTAGAAGTGATCATCTTTTGATAATGCCTTCATCA
plasmid_cp32-8	14736	BB_L22		**1.423**	± 1.501	0.498641	**0.405**	± 0.2427	0.10381	**0.776**	± 0.5513	0.17186	**0.578**	± 0.3265	0.16244	TCTGATGAAGGCATTATCAAAAGATGATCACTTCTAGATAAAGTGGCTGAT
plasmid_cp32-8	14768	BB_L22		**1.992**	± 0.737	0.079082	**1.046**	± 0.5868	0.90917	**1.218**	± 0.5233	0.23891	**0.897**	± 0.2776	0.55665	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_cp32-8	14872	BB_L22		**1.762**	± 0.3139	0.015732	**1.496**	± 0.8885	0.35365	**1.168**	± 0.225	0.09255	**1.049**	± 0.405	0.84687	CAATGATGATGTAACTCTTATTTTTTCTAAAAGTTACGATAATTCTCCCGT
plasmid_cp32-8	14961	BB_L22		**2.148**	± 0.814	0.006147	**2.455**	± 1.207	0.08668	**1.385**	± 0.7748	0.45504	**1.335**	± 0.485	0.11446	TTATCATTGATTTTTACTTGAATTTCAATATCAAGATAAACGGGAGAATTA
plasmid_cp32-8	15050	BB_L22		**1.291**	± 0.4946	0.170419	**0.394**	± 0.3172	0.21673	**1.178**	± 0.7633	0.57669	**1.417**	± 0.8033	0.40336	TTCACCAGAATTCCCATTTATAAAGGATGGTATGTCCAAAAAAGAGCCTCC
plasmid_cp32-8	15067	BB_L22		**2.295**	± 1.1308	0.125691	**1.685**	± 1.7832	0.54381	**0.863**	± 0.3852	0.47142	**0.968**	± 0.756	0.94558	AATGGGAATTCTGGTGAATAGTCCGCGGGGGCCCGCAATTTCATAAACCCT
plasmid_cp32-8	15170	IG 196		**1.729**	± 1.2861	0.255811	**2.037**	± 2.0872	0.39405	**0.879**	± 0.4635	0.62743	**1.106**	± 0.5256	0.0538	TATACCAAAATCATAATTTTTGCTAAAAAGTTTACAGTTTTAAAAGATCTG
plasmid_cp32-8	15178	IG 197		**2.832**	± 0.3486	0.010717	**1.809**	± 0.9785	0.28561	**1.051**	± 0.0858	0.29333	**1.265**	± 0.1045	0.02585	CGTATAAAAATAAAAAATTAAAATGAAGGATTAAAAAATGGATACTATTAA
plasmid_cp32-8	15335	BB_L23	*blyA*	**2.455**	± 1.534	0.130888	**1.663**	± 0.9394	0.13158	**0.937**	± 0.6768	0.76703	**0.756**	± 0.6081	0.22219	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_cp32-8	15353	BB_L23	*blyA*	**1.033**	± 0.4046	0.748773	**0.446**	± 0.3721	0.28595	**0.913**	± 0.3595	0.38314	**0.965**	± 0.4093	0.50841	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_cp32-8	15356	BB_L23	*blyA*	**2.840**	± 2.4081	0.269927	**2.061**	± 2.114	0.27239	**1.726**	± 1.1599	0.33256	**1.829**	± 1.3282	0.03281	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_cp32-8	15702	BB_L24	*blyB*	**1.715**	± 1.096	0.10573	**2.016**	± 1.5046	0.13284	**1.043**	± 0.7966	0.86828	**0.999**	± 0.6371	0.99902	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-8	15744	BB_L24	*blyB*	**3.091**	± 2.4777	0.243775	**0.838**	± 0.3577	0.37788	**0.96**	± 0.8283	0.92166	**0.816**	± 0.4132	0.5538	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_cp32-8	15787	BB_L25		**5.161**	± 2.4189	0.026253	**1.82**	± 0.9358	0.28187	**0.59**	± 0.4629	0.46312	**1.14**	± 1.1983	0.83296	AGTCCTAAACCAATAGTGTTATTTTGCATTATTTGTTCTTTCCTTATAGAT
plasmid_cp32-8	15808	BB_L25		**0.798**	± 0.7066	0.297884	**0.933**	± 0.7303	0.68357	**0.583**	± 0.2985	0.19653	**0.521**	± 0.3102	0.25957	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-8	15892	BB_L25		**2.067**	± 1.6372	0.13526	**1.935**	± 2.0566	0.33608	**0.83**	± 0.4956	0.38229	**1.184**	± 0.95	0.29752	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_cp32-8	15894	BB_L25		**1.836**	± 0.7979	0.031233	**1.619**	± 0.9158	0.1536	**0.948**	± 0.4566	0.56432	**1.571**	± 0.8494	0.13148	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-8	15895	BB_L25		**2.815**	± 1.4197	0.101952	**1.323**	± 0.8241	0.54851	**0.607**	± 0.2562	0.29364	**1.471**	± 0.7713	0.45833	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-8	15897	BB_L25		**2.076**	± 1.0383	0.092648	**1.675**	± 1.474	0.41045	**1.063**	± 0.473	0.64325	**1.027**	± 0.4049	0.76135	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-8	15981	BB_L25		**2.843**	± 0.9722	0.074034	**1.324**	± 1.0324	0.63122	**0.692**	± 0.1315	0.14168	**0.798**	± 0.1416	0.20115	TTATCTCAATGTTGTATTTTAAAATGTCTTGTATTTCTTCAAATATTTTAG

plasmid_cp32-8	15984	BB_L25		**2.567**	± 1.8208	0.076878	**1.683**	± 1.3226	0.15429	**1.18**	± 0.8113	0.5834	**0.89**	± 0.4625	0.65499	GAGGCTATCTCTACTGACAAAAGCAAAAGAATTATCACTTCACTTAAAGCA
plasmid_cp32-8	16336	BB_L26		**1.961**	± 1.1038	0.234425	**1.875**	± 1.3749	0.35575	**0.939**	± 0.5498	0.83898	**1.201**	± 0.261	0.34286	TGGAGTGTTCGTCTTTTAGTGTTGATAAATCTGGATAAGGATATTCTGGAT
plasmid_cp32-8	16412	BB_L26		**1.078**	± 0.5645	0.745912	**0.579**	± 0.5673	0.22662	**1.029**	± 0.7915	0.92809	**1.178**	± 0.6688	0.16677	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-8	16483	IG 198		**2.257**	± 1.1104	0.082702	**1.358**	± 1.0408	0.47451	**1.016**	± 0.5337	0.91164	**1.093**	± 0.4757	0.43513	TAAAAATCTCTAAAGCCAATTAATCTAAAATAGTGTATAATATGACTATAA
plasmid_cp32-8	17162	IG 199		**0.952**	± 0.5343	0.871533	**0.744**	± 0.7289	0.67993	**0.627**	± 0.5856	0.58226	**1.272**	± 0.9445	0.67605	TTAATACTAAATATTGGATAAACAATTATTATTTGAATTGATATGTTTTAA
plasmid_cp32-8	17669	IG 200		**1.159**	± 0.9429	0.679049	**1.522**	± 2.581	0.72637	**0.812**	± 0.6701	0.46069	**1.086**	± 0.9759	0.86795	TTTGGGGGCTTTAATCTTGCTATGCTGCAAATATCTCATCAAACCGTTCGT
plasmid_cp32-8	17741	BB_L29		**2.441**	± 2.5363	0.262808	**2.936**	± 3.4901	0.2638	**1.206**	± 1.3404	0.7565	**1.141**	± 1.1964	0.87154	TTCTTTAGTATCTTAAAAGAATACGAACGGTTTGATGAGATATTTGCAGCA
plasmid_cp32-8	17818	BB_L29		**3.098**	± 2.7682	0.172533	**2.258**	± 2.6195	0.35369	**1.266**	± 0.9537	0.13332	**1.404**	± 0.9619	0.06938	TTATTTTTCTTGAAATAGTTTTTTATAATCTCGGCCCAATAGTTTATGCTT
plasmid_cp32-8	17926	BB_L29		**1.875**	± 0.6757	0.067015	**2.255**	± 1.226	0.17922	**1.008**	± 0.4454	0.97747	**1.016**	± 0.5324	0.70218	TCATCAAAATTATTGGGGTCTATATTCTGAATAAAGCTTATTTTTTGAATA
plasmid_cp32-8	17948	BB_L29		**1.498**	± 0.7466	0.154448	**2.065**	± 1.3533	0.13088	**0.527**	± 0.3022	0.15059	**1.065**	± 0.5137	0.53129	TATTCTGAATAAAGCTTATTTTTTGAATAATTGAGTTTATATTATCTTTTG
plasmid_cp32-8	17986	BB_L29		**3.120**	± 1.2103	0.099077	**3.19**	± 3.4084	0.39301	**1.606**	± 0.7768	0.35486	**1.637**	± 0.3326	0.08208	TAAACTCAATTATTCAAAAAATAAGCTTTATTCAGAATATAGACCCCAATA
plasmid_cp32-8	18281	BB_L29		**1.715**	± 1.9866	0.632623	**2.366**	± 1.1637	0.16365	**0.346**	± 0.3422	0.18737	**0.731**	± 0.5507	0.58109	GTTGCAGCTCTTGGTATAGAAAGTGAAATAGATACTGATGCAGCTCCTATT
plasmid_cp32-8	18304	BB_L29		**1.821**	± 0.5356	0.023421	**1.262**	± 0.8754	0.56063	**0.767**	± 0.185	0.16762	**0.843**	± 0.2122	0.41083	CTTATGTCAAAAGGTATGCTTTAGTTGCAGCTCTTGGTATAGAAAGTGAAA
plasmid_cp32-8	18337	BB_L29		**2.170**	± 1.6256	0.086751	**1.953**	± 1.7946	0.21395	**1.379**	± 0.8967	0.47695	**1.237**	± 0.8592	0.32133	TTTGTAACTTTAGACCCATTTTCATTGTTCCATTGTAAATTTTCTGTAGGA
plasmid_cp32-8	18429	BB_L29		**1.266**	± 0.7272	0.604614	**2.129**	± 2.5705	0.5264	**1.121**	± 0.4434	0.69177	**1.595**	± 0.6858	0.20729	CAGTACAAGTACTGGATATGAATTTTCTTTTGATACGCGAATTCCTACAGA
plasmid_cp32-8	18458	BB_L29		**1.881**	± 1.0492	0.013963	**1.651**	± 1.2735	0.17318	**1.032**	± 0.5613	0.9192	**0.735**	± 0.4137	0.33292	TGCCATATTGACCCTCTATAGAAATTGGATATTGCTCAATATCAAGCTCCA
plasmid_cp32-8	18476	BB_L29		**2.611**	± 1.3275	0.123419	**1.465**	± 1.1274	0.48012	**0.904**	± 0.5183	0.68076	**0.971**	± 0.5044	0.89095	TAGAAATTGGATATTGCTCAATATCAAGCTCCAAATTGTGCTTTTTAATAA
plasmid_cp32-8	18499	BB_L29		**2.795**	± 1.2715	0.053641	**1.672**	± 1.1937	0.29696	**1.067**	± 0.371	0.38715	**1.126**	± 0.3546	0.35976	TCAAGCTCCAAATTGTGCTTTTTAATAACATTTTTAATTTCTCTAACTATT
plasmid_cp32-8	18658	BB_L29		**2.718**	± 0.8771	0.046273	**1.555**	± 0.4136	0.12333	**1.067**	± 0.3381	0.33351	**1.116**	± 0.2209	0.38844	TTCAAGCAAAAATAAGCTTCAGAAAAGATATGAAAACCCTAAAAATGAATT
plasmid_cp32-8	18722	IG 201		**1.081**	± 0.7626	0.880926	**0.655**	± 0.6124	0.55614	**0.267**	± 0.2361	0.13942	**0.386**	± 0.2672	0.13997	TTAATAAATATAAGTATATAGCAAAAACTATTTTTGCCAACTTTTTTACAA
plasmid_cp32-8	18742	IG 202		**0.968**	± 0.4209	0.886467	**0.62**	± 0.5182	0.50321	**0.777**	± 0.3608	0.56368	**0.855**	± 0.4047	0.67461	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAATTTTTACAAAAAAAAATA
plasmid_cp32-8	22341	BB_L35	*bdrO*	**3.126**	± 1.1001	0.06751	**0.921**	± 0.8885	0.86531	**1.579**	± 1.1365	0.51989	**1.203**	± 0.8542	0.76072	GATAGTGTAGAGAAGAATTTACAAAAAGATATATCTAGTTTAGATATCAAA
plasmid_cp32-8	22688	BB_L35	*bdrO*	**2.782**	± 2.1625	0.200018	**2.138**	± 2.0768	0.35083	**0.651**	± 0.4802	0.0271	**1.104**	± 0.3931	0.44465	TTTGATGTATTGTAAATACCTCATAAATAGGGCATTTAAAATTGGACCTAG
plasmid_cp32-8	22816	IG 203		**2.861**	± 2.2911	0.054408	**2.37**	± 2.5459	0.23971	**1.254**	± 1.0927	0.19809	**1.306**	± 1.0233	0.00463	ACTTAAATAAGTTCTTTTATTTTAACAAATACAAATTGATTTTAATTCTAA
plasmid_cp32-8	22912	IG 204		**1.034**	± 0.6464	0.83829	**0.825**	± 0.832	0.59299	**0.961**	± 0.4001	0.75743	**1.19**	± 0.5032	0.19808	TTAAAATAATTTTAAAAAGCTTTTCAATAATTGAGTATAGTCCAATTTAGA
plasmid_cp32-8	23172	IG 205		**2.335**	± 1.4994	0.19616	**2.097**	± 1.5438	0.30127	**1.004**	± 0.9256	0.99483	**1.231**	± 0.5971	0.4751	TATAACAAAAACTATTTTTACCAACTTTTTATAACAATTTTTATAAAAAAA
plasmid_cp32-8	23325	IG 206		**1.284**	± 0.2541	0.217163	**0.876**	± 0.707	0.82832	**0.884**	± 0.1878	0.49854	**1.34**	± 0.642	0.51133	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAATCTTTACAAA
plasmid_cp32-8	23342	IG 207		**2.215**	± 0.8818	0.030704	**1.436**	± 0.841	0.2946	**1.033**	± 0.423	0.01412	**1.466**	± 0.6241	0.38793	ATAAATATAAGTATATAGCAAAAACTATTTTTGCCAACTTTTTTACAAAAA
plasmid_cp32-8	23345	IG 208		**1.384**	± 1.086	0.61643	**0.849**	± 0.9255	0.84983	**0.217**	± 0.229	0.09802	**0.441**	± 0.4709	0.03818	TTAATAAATATAAGTATATAGCAAAAACTATTTTTGCCAACTTTTTTACAA
plasmid_cp32-8	23391	BB_L36	*bppA*	**1.632**	± 1.8151	0.430216	**0.846**	± 0.7391	0.82663	**1.085**	± 0.6576	0.86484	**2.031**	± 1.1975	0.01985	ATCCACAAGAAAATATTCAAGGAGAGCTCAAAATGATAAGTATTAATCAAC
plasmid_cp32-8	23720	BB_L36	*bppA*	**0.066**	± 0.1195	0.056031	**0.571**	± 0.5723	0.52267	**0.237**	± 0.2899	0.19777	**0.277**	± 0.2798	0.21093	TATATGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-8	23724	BB_L36	*bppA*	**1.238**	± 1.1864	0.586252	**0.545**	± 0.4772	0.37488	**0.764**	± 0.9003	0.6753	**0.664**	± 0.4295	0.45255	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-8	23904	BB_L36	*bppA*	**2.959**	± 2.8599	0.266166	**1.316**	± 0.9479	0.44411	**0.989**	± 0.832	0.98703	**1.148**	± 0.5788	0.72472	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-8	23958	BB_L36	*bppA*	**2.547**	± 1.1783	0.022324	**1.254**	± 0.9028	0.31207	**0.81**	± 0.3925	0.60935	**1.075**	± 0.5986	0.77482	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGCAGTA
plasmid_cp32-8	24092	BB_L36	*bppA*	**3.313**	± 2.5859	0.076361	**2.248**	± 2.6736	0.34949	**1.07**	± 0.7126	0.68615	**1.189**	± 0.8452	0.2204	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-8	24137	BB_L36	*bppA*	**2.491**	± 1.4431	0.228467	**2.165**	± 2.1304	0.45987	**1.64**	± 1.3449	0.52548	**0.656**	± 0.3592	0.41745	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-8	24198	BB_L36	*bppA*	**1.797**	± 0.3896	0.033776	**1.671**	± 1.5504	0.51287	**0.958**	± 0.1492	0.74095	**1.068**	± 0.2761	0.46477	TCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTCAAAC
plasmid_cp32-8	24202	BB_L36	*bppA*	**1.108**	± 0.8197	0.819869	**0.555**	± 1.0266	0.6128	**0.366**	± 0.337	0.1377	**0.426**	± 0.4369	0.3843	AATATCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTC
plasmid_cp32-8	24207	BB_L36	*bppA*	**1.575**	± 0.4638	0.132882	**1.008**	± 0.3586	0.9766	**0.841**	± 0.3486	0.04646	**0.867**	± 0.2936	0.03214	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-8	24210	BB_L36	*bppA*	**1.793**	± 1.4017	0.13359	**1.892**	± 1.8842	0.28798	**1.003**	± 0.6033	0.9899	**1.051**	± 0.625	0.82521	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-8	24440	BB_L36	*bppA*	**2.230**	± 1.2601	0.061519	**2.068**	± 1.0236	0.05524	**0.93**	± 0.8236	0.76287	**1.089**	± 0.8121	0.89712	AATAGAATCCAAAACGAAAATAAAAAAAGAGAAAAGCCCATTAAAGATAGG
plasmid_cp32-8	24513	BB_L36	*bppA*	**2.403**	± 1.6696	0.074383	**1.523**	± 1.4828	0.37688	**0.884**	± 0.4974	0.5037	**0.727**	± 0.514	0.0667	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-8	24523	BB_L36	*bppA*	**2.353**	± 1.9491	0.259097	**1.902**	± 1.0452	0.10469	**1.215**	± 0.7031	0.67707	**1.583**	± 0.5138	0.04081	TGTATTTGTAATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTT
plasmid_cp32-8	24617	BB_L36	*bppA*	**2.980**	± 1.8556	0.19649	**2.246**	± 1.4951	0.27321	**1.015**	± 0.5367	0.96422	**1.219**	± 0.0733	0.03172	GTCCCTTCAATCTATCTGATATTGCCCTTTTCTTAGGGTCAAGAGTAAACA
plasmid_cp32-8	24620	BB_L36	*bppA*	**3.518**	± 4.6248	0.344108	**3.294**	± 4.4888	0.35948	**1.249**	± 1.5656	0.72905	**1.274**	± 1.9343	0.78739	GTAGTCCCTTCAATCTATCTGATATTGCCCTTTTCTTAGGGTCAAGAGTAA
plasmid_cp32-8	24731	IG 209		**2.074**	± 1.0114	0.189402	**2.016**	± 0.9185	0.04141	**0.889**	± 0.7942	0.65449	**2.065**	± 1.1112	0.10178	GGAGGATTAATTAATGCTTATTAATAAAATAAAACAAGATAATAGAACTTT
plasmid_cp32-8	24832	BB_L37	*bppB*	**2.284**	± 0.9281	0.083831	**1.323**	± 0.9746	0.55655	**1.271**	± 0.4795	0.38195	**1.16**	± 0.4894	0.54681	TAATAATGTAGACACAAAAAGTAACAACCCCATTTTTGTATCTCCGGTCTT
plasmid_cp32-8	25071	BB_L37	*bppB*	**0.963**	± 0.4085	0.891997	**0.765**	± 0.6164	0.61935	**1.014**	± 0.2662	0.91293	**1.044**	± 0.4491	0.85485	GCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAGCCTCGT
plasmid_cp32-8	25153	BB_L37	*bppB*	**1.773**	± 1.234	0.228729	**1.41**	± 1.4789	0.72679	**0.734**	± 0.5439	0.59319	**0.978**	± 1.2129	0.95612	TATTTAGACTAAAGTAGTTTTTTTAAAGTTTAAGGTTATTTTTCATGCATT

plasmid_cp32-8	25278	BB_L38	*bppC*	**2.183**	± 1.5207	0.159239	**0.927**	± 0.5794	0.86456	**0.697**	± 0.3943	0.45182	**0.973**	± 0.8527	0.85924	AGTTCTTTAATTTGGAAAGAATTATAACCATTAGATTTTAAATATGAAATA
plasmid_cp32-8	26016	IG 210		**3.290**	± 2.6301	0.165957	**1.499**	± 1.6348	0.60073	**1.398**	± 1.3392	0.63797	**1.575**	± 1.208	0.35002	CTATTTTTATCTATTTTTATTACTTTTACTTAATTTAAAAGTAACACCTTC
plasmid_cp32-8	26449	BB_L39	*erpN*	**2.373**	± 0.9352	0.073475	**1.515**	± 1.7359	0.626	**1.121**	± 0.5754	0.71282	**0.846**	± 0.2897	0.14674	TGAATCTTGCAAGCACCTATAAGTATAAAAACAGCACAAATAATAAACATT
plasmid_cp32-8	26704	BB_L39	*erpN*	**1.820**	± 0.9578	0.140915	**0.922**	± 0.9273	0.89894	**1.178**	± 1.1431	0.84099	**0.851**	± 0.5306	0.76244	GTTTTAAATGATCCACCTTCAGTCATTGCTTTTATAAAGTTATTAATTTCT
plasmid_cp32-8	26758	BB_L39	*erpN*	**2.877**	± 1.4994	0.102097	**2.136**	± 1.3948	0.20829	**1.021**	± 0.3645	0.90024	**1.213**	± 0.2878	0.29497	TTCTTAATGACATTTTTATCACTTTCTTCGTCATTATATCCATAATACAAA
plasmid_cp32-8	26803	BB_L39	*erpN*	**2.203**	± 0.7296	0.092202	**1.134**	± 0.4539	0.72855	**1.001**	± 0.4704	0.99625	**0.904**	± 0.2517	0.50397	TATTCAGTATCATTAATTTTTTCTATCTTTGTTTTTATCTCTTTATTCTTA
plasmid_cp32-8	26804	BB_L39	*erpN*	**2.683**	± 0.8619	0.07001	**1.692**	± 1.0155	0.3698	**0.97**	± 0.1039	0.65018	**0.934**	± 0.2919	0.78638	TATTACATTTTTAGGAGATAAAATTAATAACAGTGCGGGGGGAGACAAAAT
plasmid_cp32-8	27105	BB_L40	*erpO*	**1.934**	± 1.8532	0.502659	**1.701**	± 0.968	0.26066	**1.095**	± 0.6184	0.84735	**1.112**	± 1.0161	0.81912	ATTCATCTACTTTTGAACTACTTGAAGTAATTTTATCTTTTGCTGGATCCA
plasmid_cp32-8	27144	BB_L40	*erpO*	**1.172**	± 1.2525	0.736409	**0.946**	± 1.0717	0.91454	**1.096**	± 0.8706	0.72089	**1.253**	± 0.8116	0.14824	CACCCTTTATTTTATCTTCTTCTTGTAATTTTCTTGCTAATTCATCTACTT
plasmid_cp32-8	27700	BB_L40	*erpO*	**2.331**	± 0.8357	0.119262	**2.244**	± 1.1311	0.22122	**0.799**	± 0.5409	0.67942	**0.901**	± 0.354	0.73584	ACACCTTGTGCCCCCACACTAGTTTGCTCTTTTATAACATCAATATTTCTA
plasmid_cp32-8	27726	BB_L40	*erpO*	**2.231**	± 1.113	0.030745	**1.925**	± 1.6963	0.27492	**1.209**	± 0.6133	0.14893	**1.235**	± 0.5249	0.49172	TATGATGATTTTACTGATGGGAATAAAGCTATATACAAAACTTGGGGGGAT
plasmid_cp32-8	27889	BB_L40	*erpO*	**2.969**	± 2.0895	0.091027	**1.302**	± 0.9466	0.67376	**1.343**	± 1.0778	0.13723	**1.62**	± 1.5581	0.40595	GTATCAATAATATATGCTTTATTACCCTCATTTAATTTGGTTCTTAAATTA
plasmid_cp32-8	28045	BB_L40	*erpO*	**1.860**	± 1.3119	0.319422	**2.291**	± 2.3641	0.21572	**0.79**	± 0.7277	0.78209	**0.574**	± 0.3991	0.42308	TCCTCACTACCAGCAACGTATTCTTTAATTTCTTCAAAATTATCTTTATCT
plasmid_cp32-8	28341	BB_L41		**3.153**	± 0.9349	0.025724	**2.228**	± 2.5688	0.4665	**0.846**	± 0.2328	0.34008	**1.816**	± 0.9193	0.20351	ACTAGCCAAATAACTCTAAAGCAAAAAAGACAAATATACAGTGCTGTTGAA
plasmid_cp32-8	28406	BB_L41		**2.689**	± 2.1759	0.300444	**1.842**	± 1.6245	0.45068	**0.774**	± 0.4484	0.62752	**1.417**	± 1.5512	0.7116	CGTAATAAAAACCGGAAAAAGTGTTTTTTTAGAATCGGAAAAAGAATTTGT
plasmid_cp32-8	28694	BB_L41		**2.005**	± 1.0703	0.21801	**1.857**	± 1.1983	0.30213	**1.003**	± 0.4507	0.9932	**1.234**	± 0.4092	0.26715	GTGTATACTCAAAAATAAAATATCTCTAAATTCTTTAATCGCATCTATTTG
plasmid_cp32-8	29030	BB_L42		**2.706**	± 2.641	0.175918	**2.209**	± 3.095	0.43606	**0.846**	± 0.7289	0.23506	**0.895**	± 0.7526	0.29169	AGTGATGTAGAAATAGCGAAGAAATTAGGAGTTTCTAAAGTAAATGTGTGG
plasmid_cp32-8	29298	BB_L42		**2.598**	± 1.4181	0.034887	**1.524**	± 1.1075	0.30911	**0.749**	± 0.4765	0.03414	**1.095**	± 0.6494	0.33162	TGCATACTAAAATAGAAAATTTAAGAGCCGAAATTGACGCTTTAAATAAAG
plasmid_cp32-8	29423	BB_L42		**2.648**	± 2.3575	0.247292	**1.832**	± 1.5148	0.41073	**0.558**	± 0.4383	0.22	**1.176**	± 0.7575	0.38021	AAAGAGTGTTCAATAAGAGAAATGGAGCTTTACTATGAATGTATGAAAAAA
plasmid_cp32-8	29542	BB_L43		**1.772**	± 0.63	0.087421	**1.986**	± 1.3297	0.2738	**0.857**	± 0.327	0.40056	**1.074**	± 0.3418	0.53831	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-8	29617	BB_L43		**1.758**	± 0.9236	0.059193	**1.022**	± 0.9771	0.93917	**0.599**	± 0.4015	0.3344	**0.745**	± 0.5409	0.08103	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAGAACAGTTA
plasmid_cp32-8	29674	BB_L43		**2.207**	± 1.523	0.084286	**1.889**	± 2.4277	0.47691	**1.016**	± 0.5555	0.96888	**0.997**	± 0.4934	0.99203	AAACAAAAAAAATGTGATAAAAAGCATTAAAAAGAATAATGAAAAGAAGATT
plasmid_cp32-8	29725	BB_L43		**1.797**	± 0.8317	0.248271	**0.992**	± 1.0818	0.99257	**1.079**	± 0.9809	0.86625	**1.018**	± 0.827	0.96231	TAATCTTCTTTTCATTATTCTTTTTAATGCTTTTTATCACATTTTTTTGTT
plasmid_cp32-8	29822	BB_L43		**1.463**	± 0.9985	0.576031	**0.668**	± 0.4538	0.3514	**0.329**	± 0.2158	0.08704	**0.424**	± 0.1838	0.11345	CTAATAATTTCATTATAGGGAATTCACAACGTTCAGTTGAAGTTAATGTTT
plasmid_cp32-8	29927	BB_L43		**2.077**	± 0.5557	0.07523	**1.596**	± 0.7113	0.33141	**1.092**	± 0.2441	0.30101	**1.211**	± 0.5924	0.65788	TGTCTTGGAATATAAGGAATTTTAAGAAGTTTACATAGCTTTTCAAATTGC
plasmid_cp32-8	30017	BB_L43		**0.991**	± 0.428	0.854977	**0.522**	± 0.4824	0.36821	**1.045**	± 0.5479	0.70069	**0.929**	± 0.4002	0.0846	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCTCCATATAGATTA
plasmid_cp32-8	30162	BB_L43		**3.036**	± 1.1696	0.04798	**1.581**	± 0.6088	0.11679	**0.798**	± 0.2705	0.05046	**1.068**	± 0.3818	0.81947	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_cp32-8	30344	BB_L43		**4.103**	± 2.9965	0.023809	**2.094**	± 2.5141	0.3348	**1.345**	± 1.0951	0.59675	**1.108**	± 0.9624	0.86357	ATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATCCACTCACCTAAC
plasmid_cp32-8	30356	BB_L43		**1.598**	± 0.3679	0.115471	**1.516**	± 1.2485	0.51989	**0.677**	± 0.2176	0.24261	**0.807**	± 0.531	0.56079	TAATCATCAGTAATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATC
plasmid_cp32-8	30368	BB_L43		**2.017**	± 0.7325	0.146135	**1.835**	± 1.9885	0.56065	**0.836**	± 0.5537	0.60586	**1.422**	± 0.5731	0.39751	GCCCGATAGCATATTTAGACCCAGCATTTAGTGTTGGAGGGGATAACACTG
plasmid_cp32-8	30424	BB_L43		**4.272**	± 2.7232	0.162458	**1.934**	± 1.2805	0.30272	**1.92**	± 0.224	0.01151	**2.707**	± 1.2722	0.14391	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-8	30498	BB_L43		**2.706**	± 1.3024	0.027289	**1.567**	± 1.5529	0.45258	**0.959**	± 0.3719	0.86968	**0.775**	± 0.3079	0.47939	TATTATGAATATGGTAAAGACTGTTATAGAAAATTTCAATGTGCATACACT
plasmid_cp32-8	30552	BB_L43		**1.924**	± 1.5844	0.43432	**3.536**	± 4.3291	0.39975	**0.952**	± 0.7592	0.57111	**1.759**	± 1.8784	0.56914	TTTAGAGGATAGAGATAATACAAAAGGTGCTGGTGGATTGACCCGTGAATA
plasmid_cp32-9	96	BB_N01		**2.270**	± 0.9651	0.059878	**1.56**	± 1.3037	0.44174	**0.991**	± 0.3097	0.80274	**1.078**	± 0.4717	0.59215	GATAAAATAAGTTCACTAGAACTATACAAATACTCAATATTTTTTAGAAAT
plasmid_cp32-9	274	BB_N01		**0.879**	± 0.7816	0.74986	**0.703**	± 0.7456	0.6588	**1.542**	± 1.183	0.50513	**0.755**	± 0.5583	0.48664	ATACAATTAAGCAGAGCATTCTTAAGCTGTACCTTTAACCTAGCAAGTTCA
plasmid_cp32-9	279	BB_N01		**1.547**	± 1.5302	0.00911	**1.315**	± 1.4498	0.21876	**0.431**	± 0.3858	0.33752	**1.093**	± 1.0368	0.845	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTAAAAACCAAAGATACT
plasmid_cp32-9	395	BB_N01		**2.318**	± 1.0755	0.052119	**1.814**	± 1.3039	0.39016	**1.209**	± 0.592	0.29572	**1.396**	± 0.9658	0.16576	TTCATAATCAAGGTATTCAAAACCAATGGGTAATTCTATATTAACGGGTTG
plasmid_cp32-9	398	BB_N01		**1.646**	± 0.4392	0.063027	**1.355**	± 0.7577	0.47808	**0.713**	± 0.1366	0.04121	**0.919**	± 0.1405	0.36353	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_cp32-9	399	BB_N01		**1.467**	± 0.6107	0.353066	**0.613**	± 0.4596	0.07023	**1.085**	± 0.575	0.8551	**1.014**	± 0.3735	0.96395	CATATTCATAATCAAGGTATTCAAAACCAATGGGTAATTCTATATTAACGG
plasmid_cp32-9	432	BB_N01		**1.348**	± 1.4753	0.484482	**1.958**	± 1.8173	0.18734	**0.613**	± 0.3692	0.39759	**0.581**	± 0.885	0.15428	ACCTATAAAGTAAAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAA
plasmid_cp32-9	444	BB_N01		**1.889**	± 1.264	0.378882	**1.432**	± 0.5116	0.17256	**1.185**	± 0.4736	0.62557	**0.673**	± 0.2845	0.26982	AAATCCAACAATAAGAACAATTCTTTAGACGCAGTTAAAATACATAAAAGT
plasmid_cp32-9	478	BB_N01		**1.856**	± 1.3718	0.301062	**1.19**	± 1.0391	0.80986	**0.605**	± 0.3003	0.22873	**1.338**	± 0.4195	0.29784	ACTGCGTCTAAAGAATTGTTCTTATTGTTGGATTTTACTTTATAGGTTATA
plasmid_cp32-9	490	BB_N01		**3.107**	± 1.1052	0.055753	**2.034**	± 2.8804	0.61077	**0.518**	± 0.1603	0.07765	**1.04**	± 0.4462	0.86575	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_cp32-9	504	BB_N01		**0.761**	± 0.486	0.334701	**0.385**	± 0.4372	0.12855	**0.802**	± 0.5047	0.60902	**0.493**	± 0.3939	0.3667	TGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTTAT
plasmid_cp32-9	506	BB_N01		**3.900**	± 2.4136	0.01555	**2.396**	± 2.9116	0.36334	**1.269**	± 0.7001	0.56003	**1.321**	± 0.8583	0.116	TATGATAAGTCGACTTTTATGTATTTTAACTGCGTCTAAAGAATTGTTCTT
plasmid_cp32-9	507	BB_N01		**1.325**	± 1.2519	0.543972	**1.045**	± 1.1378	0.88375	**1.107**	± 1.0503	0.75855	**1.209**	± 1.1631	0.64029	TATGAAAACTTTGATTATATCTTAAAAAGATATGTTCCGTGTTATACCGAA
plasmid_cp32-9	521	BB_N01		**2.053**	± 0.6561	0.076656	**1.111**	± 0.5241	0.80279	**1.055**	± 0.31	0.76799	**1.133**	± 0.3292	0.53556	ATCAAAGTTTTCATATATGATAAGTCGACTTTTATGTATTTTAACTGCGTC
plasmid_cp32-9	524	BB_N01		**2.133**	± 0.2238	0.014581	**1.022**	± 0.6553	0.96097	**1.105**	± 0.1396	0.24315	**1.845**	± 0.9664	0.26134	TATCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATAT
plasmid_cp32-9	526	BB_N01		**1.115**	± 0.696	0.325768	**0.126**	± 0.1378	0.12265	**0.59**	± 0.7656	0.14878	**1.673**	± 1.2925	0.35401	TCTTAAAAAGATATGTTCCGTGTTATACCGAAAGCTTTTTACTAGATATTT

plasmid_cp32-9	578	BB_N01	**2.366**	± 1.6756	0.107355	**2.605**	± 2.6367	0.28554	**0.753**	± 0.4463	0.43603	**1.209**	± 0.8954	0.40114	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_cp32-9	747	BB_N01	**1.841**	± 0.7605	0.179958	**1.923**	± 1.4368	0.37546	**0.983**	± 0.2378	0.93436	**1.058**	± 0.2472	0.48697	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_cp32-9	1055	BB_N01	**1.331**	± 0.6052	0.376505	**1.506**	± 0.7768	0.42609	**1.136**	± 0.4187	0.45572	**1.099**	± 0.5742	0.75752	TTACGATTTTCTCAAAGGTGTGCAAGAACAAATTGAGAACTCTTGTAATTT
plasmid_cp32-9	1555	BB_N02	**0.856**	± 0.3032	0.41796	**0.109**	± 0.1924	0.03266	**0.401**	± 0.6432	0.19974	**0**	± 0	0.03306	TGCGCTCAGCCTCTAGCAATAATTGCTTTTTAATACGCTCCCTCTCTTCAA
plasmid_cp32-9	1706	BB_N02	**2.045**	± 0.8897	0.201324	**1.667**	± 0.5679	0.0493	**1.178**	± 1.2665	0.81009	**1.404**	± 0.4849	0.12245	GCTTTAATTTGCTCAATTGGAACGAACTTGCGCACAAGTTCTCTACGTTGT
plasmid_cp32-9	1750	BB_N02	**0.797**	± 0.6292	0.578014	**0.164**	± 0.2586	0.21414	**0.853**	± 1.0183	0.76366	**0.799**	± 0.5493	0.33659	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAACT
plasmid_cp32-9	1918	BB_N02	**1.048**	± 1.3553	0.952862	**1.578**	± 1.087	0.44755	**0.662**	± 0.8924	0.56248	**0.121**	± 0.1598	0.01298	CAAGCGATAAGTAATACTTACAAGCAAAGACGAATTCAATTTTATGAAAAT
plasmid_cp32-9	1931	BB_N02	**1.504**	± 0.5629	0.283386	**1.177**	± 0.1922	0.1828	**0.843**	± 0.3421	0.54326	**0.547**	± 0.3972	0.22505	TTACTTATCGCTTGTACAAATTCTGTGAAATTAATAGGTACAAAATTAGAA
plasmid_cp32-9	2222	BB_N03	**0.964**	± 0.6611	0.879282	**0.456**	± 0.3086	0.24096	**0.795**	± 0.49	0.1432	**1.163**	± 0.4255	0.63294	CAAGCGTGGAGTCAAGCTTAGTTTTAGTGCAGATGGTACAACAGAACTAGA
plasmid_cp32-9	2437	BB_N03	**1.533**	± 0.9798	0.125505	**1.29**	± 0.6808	0.00901	**0.822**	± 0.3711	0.37601	**0.992**	± 0.4901	0.97737	ATGCACAAGGAGAGCTTGAAAAGAATGGGGGAAATGATAAATCTGTTAATG
plasmid_cp32-9	2671	BB_N04	**2.768**	± 2.1034	0.276696	**0.713**	± 0.1429	0.0723	**0.961**	± 0.4401	0.90219	**0.821**	± 0.211	0.04534	GGAGCAACTGGAATTTCTGATTCTAACCCTAATTGTGGATTATCATGAACA
plasmid_cp32-9	3005	BB_N04	**2.671**	± 3.3891	0.393949	**2.28**	± 2.1925	0.27903	**1.783**	± 1.8715	0.37757	**1.209**	± 0.9856	0.52986	CATATCAGTATCAGCACCAACTTCAACATATATAGAATTCTCTTTTGGAAC
plasmid_cp32-9	3088	BB_N04	**1.619**	± 1.2533	0.457547	**2.371**	± 2.2937	0.36687	**0.699**	± 0.6206	0.30254	**0.675**	± 0.3239	0.41391	ACAAGATACCCTTCAAAGTTATTCGTAATTGGTAATACATACGCAGTACTA
plasmid_cp32-9	3129	BB_N04	**2.594**	± 1.2726	0.027383	**1.616**	± 1.7355	0.52782	**0.639**	± 0.239	0.22327	**0.668**	± 0.3169	0.33812	TATCCAATATTTCTCCCATTTTTATACTCGGATTTCTTGTAACAAGATACC
plasmid_cp32-9	3939	BB_N05	**1.177**	± 0.2498	0.44934	**0.704**	± 0.4835	0.37526	**1.557**	± 0.3794	0.12302	**1.111**	± 0.6988	0.79927	CAGCTTTATTTCCAAATACTGCTACTTTTATTAAATAAACATCGTTACTAA
plasmid_cp32-9	4021	BB_N06	**1.559**	± 0.4526	0.201068	**1.766**	± 1.0553	0.26933	**0.928**	± 0.439	0.76955	**1.136**	± 0.5065	0.56209	TTATAGGGGAAGTTAAAGATCCTATAATGTATAAATGGTTTTCGCCTGATC
plasmid_cp32-9	4045	BB_N06	**3.642**	± 3.0637	0.182334	**1.567**	± 1.1523	0.23683	**1.845**	± 0.9026	0.20703	**0.991**	± 0.583	0.97932	TAATGTATAAATGGTTTTCGCCTGATCAAATTGAAGATGTTGATCTTCAGA
plasmid_cp32-9	4245	BB_N06	**2.696**	± 0.4894	0.025656	**1.312**	± 0.77	0.5533	**0.892**	± 0.11	0.25028	**1.069**	± 0.1275	0.49062	AGTGCCTAAATTTGTACTGTAATTTTAAGTAATTAAGTCTTACCACTTCAG
plasmid_cp32-9	4357	BB_N06	**2.023**	± 0.702	0.00542	**1.233**	± 0.4207	0.30789	**1.027**	± 0.4659	0.77439	**0.995**	± 0.4183	0.85313	AACTTATTAATCACTTTGTACTAACAGGCACTGTTTCAATTCAAAAAGATG
plasmid_cp32-9	4435	BB_N06	**3.877**	± 4.7375	0.311735	**2.559**	± 1.4987	0.074	**0.918**	± 0.8942	0.58448	**1.089**	± 1.5318	0.94186	TTGGGAAGTAGACGTTTTTGATTTTTTCCATCTTTTTGAATTGAAACAGTG
plasmid_cp32-9	4813	BB_N06	**1.173**	± 1.3864	0.814003	**1.067**	± 1.4237	0.92283	**0.491**	± 0.5724	0.09044	**0.666**	± 0.458	0.11441	CCTACACCAAATGAACAAGTGGATAAAGATTCAACTGATATTGCTCATTCA
plasmid_cp32-9	5184	BB_N07	**0.765**	± 0.6145	0.438402	**1.368**	± 1.7797	0.72915	**0.859**	± 0.728	0.6277	**1.011**	± 0.7591	0.9559	TGGGTTGTCAATTAAGAAAACAGGGAGTTGTTCGAGAATTTGAATTTGATA
plasmid_cp32-9	5283	BB_N07	**0.532**	± 0.3593	0.336187	**0.538**	± 0.5123	0.41739	**0.913**	± 0.5735	0.87371	**0.831**	± 0.6814	0.80568	GTAGCAGTGGAGGCGAAGAAGGTGGCGAGGGGGGTTGTGGCTCAAACAAGA
plasmid_cp32-9	5558	BB_N08	**3.211**	± 2.4621	0.050072	**0.91**	± 0.6234	0.81786	**0.3**	± 0.2516	0.22642	**1.135**	± 1.3446	0.80098	AGTACACTGAATTCGCAGGAGTTATTATTGACATAAAGCCACAAGAACTTG
plasmid_cp32-9	5582	BB_N08	**1.661**	± 0.7408	0.090473	**1.638**	± 1.6377	0.48829	**0.757**	± 0.2879	0.06624	**1.103**	± 0.5905	0.50902	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_cp32-9	5649	BB_N08	**0.427**	± 0.2673	0.108635	**0.434**	± 0.3972	0.23419	**1.032**	± 0.3961	0.62034	**1.083**	± 0.4333	0.44581	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACTAAAAGACCGAAT
plasmid_cp32-9	5664	BB_N08	**4.354**	± 2.9138	0.104431	**0.805**	± 0.5402	0.61641	**1.211**	± 0.7213	0.23837	**1.339**	± 0.8329	0.47552	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG
plasmid_cp32-9	5933	BB_N09	**1.837**	± 0.9682	0.174242	**0.987**	± 0.415	0.90413	**0.807**	± 0.3096	0.50431	**1.163**	± 0.7952	0.71381	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATCAGG
plasmid_cp32-9	6155	BB_N09	**1.926**	± 1.3547	0.315356	**1.255**	± 1.4084	0.78214	**0.482**	± 0.2414	0.15438	**0.712**	± 0.2466	0.07911	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_cp32-9	6323	BB_N10	**1.959**	± 0.3921	0.056497	**1.048**	± 0.2836	0.84184	**0.774**	± 0.2084	0.32118	**0.891**	± 0.13	0.29507	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_cp32-9	6426	BB_N10	**0.440**	± 0.5573	0.444137	**0.742**	± 0.9739	0.78386	**0.334**	± 0.2249	0.18171	**0.529**	± 0.5946	0.48869	TATATTTGAAAATTTATACTAAATTCCAAAGCATTTTCATAAAATACACCG
plasmid_cp32-9	6489	BB_N10	**2.035**	± 1.7397	0.308821	**3.638**	± 2.6927	0.12494	**0.822**	± 1.0114	0.7769	**0.988**	± 1.2823	0.98801	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_cp32-9	6545	BB_N10	**3.135**	± 1.2072	0.045943	**1.809**	± 1.4816	0.37581	**0.898**	± 0.2771	0.36946	**1.055**	± 0.3195	0.2708	GACTGGGCAAAGTATACTTATGAGCTTTATTGTGTAGAAAGTCACTAAGCA
plasmid_cp32-9	6561	BB_N10	**2.041**	± 1.4467	0.119592	**1.866**	± 1.6774	0.27755	**0.844**	± 0.5145	0.10325	**1.133**	± 0.5392	0.45773	TTAATAAAATTAACTTCTACATTTACCCAACATCTAATATGCAAACAGTTG
plasmid_cp32-9	7139	BB_N11	**2.688**	± 0.7418	0.00636	**1.207**	± 0.9017	0.63337	**0.817**	± 0.2327	0.07558	**1.045**	± 0.2834	0.69669	TAATAAATTCAAAATGCCTTCAACTTTTTTTGTATTCTCGACTAAAGAACA
plasmid_cp32-9	7203	BB_N11	**0.347**	± 0.3233	0.316611	**0.332**	± 0.4185	0.43716	**1.145**	± 1.0973	0.76159	**1.18**	± 1.1426	0.72291	GTTCTTTTATTTCTTGTTCTTTAGTCGAGAATACAAAAAAAGTTGAAGGCA
plasmid_cp32-9	7380	BB_N11	**2.729**	± 1.3295	0.082367	**2.137**	± 1.9425	0.35248	**1.006**	± 0.453	0.97197	**1.162**	± 0.3136	0.54009	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_cp32-9	7986	BB_N12	**1.947**	± 1.0176	0.10812	**1.903**	± 1.8929	0.40543	**1.006**	± 0.4958	0.97895	**1.013**	± 0.5225	0.82595	AGAGATCCCAAAACAATAACTTATGTTTTCAACATTGAAGTGACACTAGGT
plasmid_cp32-9	8236	BB_N12	**1.889**	± 0.4424	0.067531	**1.871**	± 1.5441	0.42548	**0.956**	± 0.0959	0.5071	**0.92**	± 0.1406	0.306	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_cp32-9	8452	BB_N13	**1.795**	± 0.7596	0.068496	**1.841**	± 1.6669	0.50465	**1.517**	± 0.9515	0.51145	**0.577**	± 0.3506	0.38563	AGCTTGTGATTTCTCTTAAGTATTTAACCTCATTAAGCTTTAAAACAGCGT
plasmid_cp32-9	8593	BB_N13	**3.272**	± 1.7946	0.165651	**1.242**	± 0.3613	0.42108	**1.728**	± 0.5743	0.12104	**1.408**	± 0.4336	0.1758	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_cp32-9	8764	BB_N14	**1.765**	± 0.4447	0.008008	**1.655**	± 1.056	0.26455	**1.29**	± 0.4825	0.41303	**1.112**	± 0.3467	0.02408	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_cp32-9	8983	IG 211	**3.193**	± 1.7299	0.009942	**1.703**	± 1.174	0.35361	**1.583**	± 0.7696	0.1822	**1.136**	± 1.0456	0.87885	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_cp32-9	9158	BB_N15	**2.383**	± 1.8508	0.341966	**1.867**	± 2.3483	0.58832	**0.267**	± 0.1772	0.08861	**0.625**	± 0.2814	0.32326	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_cp32-9	9437	BB_N15	**1.450**	± 1.2853	0.661282	**2.064**	± 2.0637	0.39182	**0.354**	± 0.4031	0.00211	**0.05**	± 0.0883	0.06486	GCGTTGCTAATGATATTCCCTAGGGCACTACCTATAGCAATTTTGGCAACA
plasmid_cp32-9	9683	BB_N15	**2.269**	± 0.9055	0.004076	**1.214**	± 0.8842	0.48359	**0.776**	± 0.3139	0.36498	**0.954**	± 0.4428	0.29474	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_cp32-9	9764	BB_N15	**2.414**	± 0.4417	0.016582	**1.777**	± 1.2304	0.36721	**1.258**	± 0.3203	0.29617	**1.197**	± 0.1686	0.14283	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_cp32-9	9802	BB_N15	**2.139**	± 0.4392	0.030382	**1.332**	± 0.9315	0.57613	**0.726**	± 0.2466	0.19521	**0.989**	± 0.3161	0.94446	GATCAAAAAGCTCACTTCCATCACCCCCAAGAACACTATTAACAGCCTTTA
plasmid_cp32-9	10057	BB_N15	**1.468**	± 0.3529	0.034869	**1.284**	± 0.7293	0.48027	**0.939**	± 0.1425	0.63957	**1**	± 0.2326	0.99454	ACTAATTACTTTAAAGACTTTACGTTTGAAACACATATTATTGAACCCATA

plasmid_cp32-9	10139	BB_N15		**1.429**	± 0.5946	0.012187	**1.327**	± 1.1078	0.50422	**0.763**	± 0.3484	0.08409	**0.819**	± 0.3632	0.12095	ATTATTTCTTTGCAAAATTAAAATCGATGCTACCTGGATGGATGGGCGGAG
plasmid_cp32-9	10571	BB_N16		**0.782**	± 1.0759	0.766948	**0.377**	± 0.4736	0.48125	**0.652**	± 1.0713	0.02195	**2.238**	± 3.1498	0.26317	GAATGGATCTAAAAGGTTTTGGATATGTTCCTCAATTGTTTTTTATAAAAC
plasmid_cp32-9	10739	BB_N16		**1.062**	± 0.6449	0.868526	**1.767**	± 1.5024	0.45356	**0.624**	± 0.5353	0.31738	**0.711**	± 0.5773	0.45952	TTTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_cp32-9	10742	BB_N16		**2.934**	± 1.5709	0.066188	**1.536**	± 1.1921	0.3416	**0.882**	± 0.501	0.16176	**1.019**	± 0.3828	0.84796	TATCATTAAACGGTGGAATACTAACATCCTTATATAAGGATATGCTTTCTT
plasmid_cp32-9	11086	BB_N17		**2.697**	± 2.2818	0.137688	**2.077**	± 2.0213	0.29144	**0.935**	± 0.5586	0.76052	**1.542**	± 0.9691	0.13331	GATACATCAAAAAAATCCCCTGATGGAATTCCTTTCGCCGAAGAAATTCCT
plasmid_cp32-9	11087	BB_N17		**1.742**	± 0.984	0.020177	**0.469**	± 0.3688	0.33916	**0.993**	± 0.5324	0.9609	**1.005**	± 0.5501	0.94952	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_cp32-9	11090	BB_N17		**2.080**	± 1.0217	0.071468	**1.894**	± 1.8726	0.39885	**0.924**	± 0.3747	0.64472	**1.098**	± 0.5289	0.24319	CATCAAAAAAATCCCCTGATGGAATTCCTTTCGCCGAAGAAATTCCTAAAA
plasmid_cp32-9	11293	BB_N17		**1.629**	± 0.9709	0.409579	**1.329**	± 1.4733	0.71836	**0.376**	± 0.1297	0.02376	**0.531**	± 0.3381	0.05479	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_cp32-9	11301	BB_N17		**2.024**	± 1.0786	0.100252	**1.752**	± 0.8019	0.10836	**0.994**	± 0.3853	0.97338	**1.104**	± 0.4594	0.71973	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAGGTCTAAGGG
plasmid_cp32-9	12324	BB_N18		**3.089**	± 1.3916	0.034401	**2.922**	± 2.7959	0.33567	**2.216**	± 1.5055	0.32594	**0.96**	± 0.5418	0.72349	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_cp32-9	12328	BB_N18		**2.257**	± 0.9378	0.013465	**1.956**	± 1.4936	0.25853	**1.103**	± 0.365	0.61716	**1.11**	± 0.4042	0.47439	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA
plasmid_cp32-9	12535	BB_N18		**2.564**	± 3.1718	0.150247	**2.647**	± 4.0499	0.34117	**1.147**	± 1.2722	0.3719	**1.135**	± 1.2191	0.56323	ATTATGATATTAACAGTTTGTTCAAGTAATTTTTGCTAATTATGGTATAAT
plasmid_cp32-9	12833	BB_N19		**1.242**	± 1.438	0.773308	**1.256**	± 1.4393	0.75649	**0.379**	± 0.3157	0.09314	**0.563**	± 0.4443	0.16736	AATCTAAGTTAAGCTCTTTAGATATTTCATGAAAATAATTTTTTACAGCGT
plasmid_cp32-9	12876	BB_N19		**1.768**	± 0.3764	0.018825	**1.566**	± 0.4179	0.18438	**1.112**	± 0.469	0.63261	**1.768**	± 0.8066	0.18863	TATCCTTTTTTTTCTCAGGCGATGTTTTGAATATGGAGTTTAATTTATGAG
plasmid_cp32-9	13140	BB_N20		**1.529**	± 0.3813	0.14365	**1.43**	± 0.5445	0.35326	**1.238**	± 0.6144	0.46981	**1.656**	± 0.3166	0.03083	AGTGCCACCCGGTTTCATTTTAGAAAAAAAGAGATTAAGCTCATTAATTAT
plasmid_cp32-9	13267	BB_N20		**0.408**	± 0.5009	0.106545	**0.426**	± 0.5833	0.35824	**0.236**	± 0.395	0.33984	**0.429**	± 0.4283	0.43563	TGTTGGCTTTACCAGCTGCACTTTTAATATTAGTGTACTCAACCTCATCAA
plasmid_cp32-9	13270	BB_N20		**1.003**	± 0.9942	0.98761	**0.522**	± 0.5829	0.08632	**0.902**	± 0.742	0.7311	**1.141**	± 0.9341	0.63623	TATCTAATTCTAAAGGAAACTTTACTAGACACTAGTAAATCTAACATTAAT
plasmid_cp32-9	13506	BB_N20		**1.731**	± 0.9484	0.011602	**0.568**	± 0.4902	0.47621	**1.002**	± 0.6245	0.95467	**0.853**	± 0.435	0.41696	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATATAAACATATTTTCTTTT
plasmid_cp32-9	13631	BB_N20		**1.193**	± 0.9753	0.75635	**0.952**	± 0.7671	0.92107	**1.035**	± 0.1904	0.82323	**0.507**	± 0.3133	0.07427	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_cp32-9	13772	BB_N20		**2.332**	± 1.1543	0.196333	**1.661**	± 1.384	0.37552	**0.246**	± 0.2607	0.00219	**1.332**	± 1.3003	0.68045	TCTGTCGTATTGAAAAGTAGCATTGTGTCATCATTAATGGCAATATCTTGA
plasmid_cp32-9	13775	BB_N20		**1.998**	± 1.4711	0.016922	**1.692**	± 2.0025	0.37303	**1.207**	± 0.9726	0.52681	**1.478**	± 1.328	0.45393	GATTGCTTATTGATATTGGATAGTTAACAAATATGAAAATACCCAATCTTT
plasmid_cp32-9	13936	BB_N21		**2.704**	± 1.6841	0.0454	**1.626**	± 1.3658	0.25396	**0.789**	± 0.4151	0.44207	**0.873**	± 0.4566	0.69442	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_cp32-9	14036	BB_N21		**1.166**	± 2.0039	0.761035	**0.896**	± 0.9264	0.81662	**0.211**	± 0.3486	0.17053	**0.091**	± 0.1652	0.17953	ATAGTGTTATTTTTGCTTTACGTCATATTGGCACTGATGAGTCATTTAGAC
plasmid_cp32-9	14379	BB_N21		**1.609**	± 0.8628	0.000695	**0.352**	± 0.2631	0.22887	**0.85**	± 0.4883	0.29993	**0.955**	± 0.599	0.81845	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_cp32-9	14388	BB_N21		**1.735**	± 0.2102	0.004447	**1.269**	± 0.4045	0.35504	**1.196**	± 0.1835	0.14085	**1.236**	± 0.8078	0.69101	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_cp32-9	15364	BB_N23	*blyA*	**1.633**	± 1.1199	0.050517	**1.717**	± 1.7818	0.33444	**0.998**	± 0.631	0.99381	**1.142**	± 0.8006	0.23369	AGTTTAATTTCATTTAAATTGATAAGAAGTTCTGTTAATTTAATAGTATCC
plasmid_cp32-9	15450	BB_N23	*blyA*	**1.272**	± 0.3658	0.047634	**0.476**	± 0.3913	0.2802	**1.092**	± 0.4254	0.18877	**1.148**	± 0.4096	0.00875	CAATAGTCAATATGTCTTTTAATAAAGGCTTGAGAAGAATTAACACTCCTA
plasmid_cp32-9	15538	BB_N24	*blyB*	**2.187**	± 1.7704	0.37625	**2.734**	± 3.418	0.474	**0.896**	± 0.8213	0.83749	**0.718**	± 0.2821	0.15024	ATGTTGAGCTTGGACTTACGTCTTTATCAACCCTTATTGATATATTTTCTA
plasmid_cp32-9	15799	BB_N24	*blyB*	**1.772**	± 1.486	0.197236	**1.978**	± 1.8198	0.23385	**0.967**	± 0.7715	0.94165	**0.892**	± 0.8081	0.89008	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_cp32-9	15841	BB_N24	*blyB*	**2.754**	± 2.3592	0.295607	**0.83**	± 0.2954	0.16262	**0.933**	± 0.7685	0.86469	**0.847**	± 0.3466	0.62142	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_cp32-9	15905	BB_N25		**0.915**	± 0.8752	0.793443	**0.983**	± 0.7617	0.94141	**0.634**	± 0.2375	0.14621	**0.53**	± 0.2253	0.16005	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_cp32-9	15989	BB_N25		**1.950**	± 1.6932	0.16281	**1.917**	± 2.1049	0.33789	**0.835**	± 0.5314	0.48595	**1.225**	± 0.9267	0.12726	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_cp32-9	15991	BB_N25		**1.663**	± 0.5827	0.010858	**1.362**	± 0.7454	0.24459	**0.841**	± 0.3222	0.17767	**1.385**	± 0.7616	0.23306	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_cp32-9	15992	BB_N25		**2.920**	± 1.4441	0.095607	**1.405**	± 0.91	0.49128	**0.641**	± 0.2536	0.31499	**1.346**	± 0.7058	0.56127	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_cp32-9	15994	BB_N25		**2.028**	± 1.0149	0.10249	**1.678**	± 1.4675	0.41194	**1.035**	± 0.4489	0.8214	**1.037**	± 0.4096	0.69016	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_cp32-9	16433	BB_N26		**1.849**	± 0.556	0.059508	**1.687**	± 1.3472	0.43206	**0.884**	± 0.344	0.68092	**0.976**	± 0.2894	0.88322	TGGAGTGTTCGTCTTTTAGTGCTGATAAGTCTGGATAAGGATATTCTGGAT
plasmid_cp32-9	16462	BB_N26		**1.005**	± 0.5493	0.979851	**0.393**	± 0.3936	0.29273	**0.976**	± 0.4541	0.9227	**0.686**	± 0.3268	0.29621	TATGTTGATATTATGTCTTACCGCAGTTATGGAGTGTTCGTCTTTTAGTGC
plasmid_cp32-9	16463	BB_N26		**1.917**	± 0.6349	0.116708	**0.957**	± 1.5824	0.9659	**1.408**	± 2.3637	0.79629	**1.044**	± 0.8894	0.94339	TATTTAGAGTACATTAAAAAAACAAAACCAATAGCGGAAAAAGTCTATAAT
plasmid_cp32-9	16509	BB_N26		**0.971**	± 0.4938	0.904475	**0.545**	± 0.566	0.22696	**1.017**	± 0.7667	0.9608	**1.097**	± 0.6176	0.33562	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_cp32-9	16573	IG 212		**1.598**	± 0.6788	0.042603	**1.642**	± 1.3386	0.3712	**0.949**	± 0.3252	0.54898	**1.073**	± 0.3823	0.18412	AAATAGAATTTCTTGCAAGAAAAACCTTTTTGTAATTTACATTTTTAACTG
plasmid_cp32-9	16576	IG 213		**5.209**	± 2.8498	0.062581	**3.896**	± 3.0989	0.17978	**1.262**	± 0.5698	0.57677	**2.028**	± 1.3125	0.26523	CATATAAAAATCTCTAAAGCCAATTAATCTAAAATAGTGTATAATATGACC
plasmid_cp32-9	16580	IG 214		**2.870**	± 2.0168	0.079493	**1.504**	± 1.592	0.45763	**0.878**	± 0.5308	0.39524	**0.906**	± 0.4544	0.81187	TAAAAATCTCTAAAGCCAATTAATCTAAAATAGTGTATAATATGACCATAA
plasmid_cp32-9	17259	IG 215		**1.198**	± 0.5527	0.468828	**0.768**	± 0.7183	0.68541	**0.899**	± 0.8413	0.89396	**1.663**	± 1.1502	0.42171	TTAATACTAAATATTGGATAAACAATTATTATTTGAATTGATATGTTTTAA
plasmid_cp32-9	17287	IG 216		**1.582**	± 0.2579	0.021123	**1.199**	± 0.3368	0.50027	**0.826**	± 0.1932	0.04066	**0.901**	± 0.2403	0.07012	AAAAAAGGAATAACAATGAAAATTATCAACATATTATTTTGTTTATTTTTA
plasmid_cp32-9	17288	IG 217		**1.648**	± 0.6625	0.242626	**1.054**	± 0.4431	0.89052	**0.853**	± 0.3544	0.51468	**1.076**	± 0.4385	0.67527	AAAAAGGAATAACAATGAAAATTATCAACATATTATTTTGTTTATTTTTAC
plasmid_cp32-9	17829	BB_N29		**2.262**	± 1.0317	0.037917	**1.819**	± 1.4259	0.29635	**1.124**	± 0.4821	0.34943	**1.102**	± 0.4238	0.45405	TTAATGGACTAGGGCCATAAGCAGTCCTCTTAAACGACACAAACTTTTCAA
plasmid_cp32-9	17903	BB_N29		**3.784**	± 3.3828	0.189866	**2.43**	± 2.5805	0.32038	**1.391**	± 0.839	0.09534	**1.224**	± 0.8406	0.24627	TTATTTTTCTTGAAATAGTTTTTTATAATCTCCGCCCAATAGTTTATACTT
plasmid_cp32-9	18033	BB_N29		**1.882**	± 0.865	0.131304	**2.351**	± 1.3943	0.12706	**0.718**	± 0.3312	0.0824	**1.427**	± 0.5635	0.01125	TATTCTGAATAAAGCTTATTTTTTGAATAATTGAGTTTATATTATCTTTTG
plasmid_cp32-9	18071	BB_N29		**2.717**	± 0.9011	0.086664	**2.836**	± 2.9377	0.3991	**1.472**	± 0.6924	0.39016	**1.655**	± 0.2891	0.06519	TAAACTCAATTATTCAAAAAATAAGCTTTATTCAGAATATAGACCCCAATA

plasmid_cp32-9	18353	BB_N29		**1.346**	± 1.4767	0.235652	**2.104**	± 2.361	0.3711	**0.558**	± 0.7286	0.46995	**0.763**	± 0.981	0.8221	ATATAAAAAGCGAAATGGATACTGATGCAGCACCTATTTACAATAATTATG
plasmid_cp32-9	18542	BB_N29		**1.435**	± 1.2351	0.648364	**0.959**	± 0.4702	0.92193	**0.678**	± 0.5904	0.35066	**0.641**	± 0.4509	0.41465	TAGTTCATGTTATTAGGACCACATTCTACAGCACAAGCAGTGGGTATAGAG
plasmid_cp32-9	18649	BB_N29		**1.143**	± 0.8614	0.641332	**1.019**	± 0.5838	0.96969	**0.713**	± 0.4505	0.32324	**0.682**	± 0.4686	0.51389	TCAGGATTTCAATGACATATTAGAAGAAATTGAAAACGTTATTGAAAAGCA
plasmid_cp32-9	18809	IG 218		**2.243**	± 0.7657	0.078946	**1.406**	± 0.6395	0.40238	**1.022**	± 0.2591	0.83102	**1.306**	± 0.2394	0.1742	ATAAATATAAGTATATAGCAAAAACTATTTTTGCCAACTTCTTTACAAAAA
plasmid_cp32-9	19020	IG 219		**1.915**	± 1.2164	0.045227	**1.201**	± 1.3487	0.69949	**1.275**	± 0.6507	0.41185	**1.024**	± 0.6816	0.70961	TATTTTTACTAAATTACAAATTTTTATATTAATTTAACAAAATTAATAATT
plasmid_cp32-9	22293	BB_N34	*bdrQ*	**0.931**	± 1.2842	0.904131	**0.662**	± 0.4995	0.29566	**0.499**	± 0.438	0.09558	**0.452**	± 0.3093	0.03078	ATTACAACTATGAGGTTTTAAAAGAGAAAATAATTGATGTAGAAAAGAATT
plasmid_cp32-9	22584	BB_N34	*bdrQ*	**2.275**	± 1.1435	0.124235	**1.573**	± 0.6409	0.13127	**1.377**	± 0.9351	0.47413	**1.058**	± 0.8278	0.89136	TATTTAGCCTAGATAATAAAATAAATGTTTTAAAAAACGAACTTACTGCAA
plasmid_cp32-9	22849	IG 220		**1.779**	± 0.8763	0.201304	**1.422**	± 1.3343	0.58605	**0.997**	± 0.4258	0.97613	**0.948**	± 0.5516	0.88687	GAATTAAAATTATTTTGTATTTGTTAAAATAAAAGAACCTATTTAAATTCT
plasmid_cp32-9	23022	IG 221		**0.946**	± 0.4682	0.862626	**0.538**	± 0.4537	0.44133	**1.07**	± 0.7079	0.74504	**1.28**	± 0.975	0.294	GCTAAAAAAAATATATTGCTATCAAAAAAATCCAATTAAGTTGGGTTTAGCT
plasmid_cp32-9	23219	BB_N35	*bppA*	**1.497**	± 1.4571	0.392884	**0.942**	± 0.7971	0.93865	**1.031**	± 0.615	0.95357	**2.221**	± 1.1333	0.00746	ATCCACAAGAAAATATTCAAGGAGAGCTCAAAATGATAAGTATTAATCAAC
plasmid_cp32-9	23548	BB_N35	*bppA*	**0.058**	± 0.1034	0.049816	**0.705**	± 0.7083	0.53294	**0.377**	± 0.3693	0.27163	**0.415**	± 0.4121	0.26005	TATATGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_cp32-9	23552	BB_N35	*bppA*	**1.140**	± 0.7754	0.784721	**0.614**	± 0.4781	0.1065	**0.711**	± 0.8514	0.24077	**0.513**	± 0.3552	0.24063	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGAG
plasmid_cp32-9	23732	BB_N35	*bppA*	**2.827**	± 2.6101	0.234196	**1.303**	± 1.1406	0.53498	**1.169**	± 1.0841	0.83795	**1.263**	± 0.7677	0.6663	TTAATAAACCAGCCATCAATTGTTGAGCCCACTAAAGTTTCTGAACTGCCC
plasmid_cp32-9	23895	BB_N35	*bppA*	**0.462**	± 0.2845	0.239022	**0.229**	± 0.2498	0.15076	**0.99**	± 0.5968	0.95067	**1.07**	± 0.9194	0.79762	CTTAAGCCCAGTGCATGCTAGCTGTATTTGTGCTTGTACATAATATTTGAA
plasmid_cp32-9	23920	BB_N35	*bppA*	**3.463**	± 2.5811	0.080509	**2.37**	± 2.715	0.33712	**1.041**	± 0.6824	0.69869	**1.225**	± 0.8096	0.07955	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_cp32-9	23965	BB_N35	*bppA*	**1.997**	± 1.0621	0.261423	**2.031**	± 2.1348	0.48237	**1.238**	± 0.7532	0.60521	**0.626**	± 0.2975	0.28114	ATATCAAAAGTGTTTGAATTTGTTAATAAATGTGAATTAGAAATTATAAAT
plasmid_cp32-9	24026	BB_N35	*bppA*	**1.651**	± 0.428	0.071157	**1.642**	± 1.3846	0.50009	**0.923**	± 0.1737	0.63921	**1.022**	± 0.3509	0.91612	TCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTCAAAC
plasmid_cp32-9	24030	BB_N35	*bppA*	**1.741**	± 0.9853	0.243392	**1.037**	± 1.5737	0.97646	**0.595**	± 0.5788	0.00165	**0.855**	± 0.4955	0.76455	AATATCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTC
plasmid_cp32-9	24035	BB_N35	*bppA*	**1.611**	± 0.5618	0.140717	**0.939**	± 0.3927	0.85157	**0.887**	± 0.4393	0.17871	**0.877**	± 0.412	0.08171	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_cp32-9	24038	BB_N35	*bppA*	**1.942**	± 1.1948	0.103523	**1.787**	± 1.7484	0.38351	**1.001**	± 0.4318	0.99377	**1.034**	± 0.4682	0.79471	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_cp32-9	24171	BB_N35	*bppA*	**1.097**	± 0.4422	0.269712	**0.871**	± 0.372	0.47512	**0.957**	± 0.3876	0.72002	**1.175**	± 0.471	0.10133	TTCTATAAATTCTCTTACCCAATCAAACTCAACTTCAGAACTATAAAAATC
plasmid_cp32-9	24341	BB_N35	*bppA*	**2.540**	± 1.6035	0.064835	**1.618**	± 1.5442	0.37948	**0.954**	± 0.4718	0.7621	**0.751**	± 0.4397	0.15411	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTCTTTTT
plasmid_cp32-9	24344	BB_N35	*bppA*	**1.872**	± 1.0498	0.327023	**2.601**	± 2.1579	0.27978	**0.615**	± 0.4628	0.38399	**1.075**	± 0.4626	0.62713	CGAATACATATCCACTAATTGAGCAGTTAAATTATAAATTTGGAGAGTTTG
plasmid_cp32-9	24448	BB_N35	*bppA*	**1.186**	± 0.3651	0.456082	**1.433**	± 1.0173	0.56569	**0.734**	± 0.5156	0.38955	**0.966**	± 0.5208	0.90423	CTACCAACAAGTGGTACAGTATTTTTCCCTAGCAATATAGCATTTGCAAAT
plasmid_cp32-9	24559	IG 222		**1.701**	± 0.6095	0.229933	**2.272**	± 0.4882	0.02135	**0.898**	± 0.6779	0.79662	**1.959**	± 0.3896	0.0453	GGAGGATTAATTAATGCTTATTAATAAAATAAAACAAGATAATAGAACTTT
plasmid_cp32-9	24896	BB_N36	*bppB*	**2.549**	± 0.5231	0.010414	**1.478**	± 0.8257	0.45329	**1.285**	± 0.3561	0.19646	**1.316**	± 0.2777	0.1374	TAAAGTGATATCCATTAACCTTATCGATTTTAACTTCGCTTATTTCAAATT
plasmid_cp32-9	24897	BB_N36	*bppB*	**2.326**	± 3.0465	0.529316	**0.097**	± 0.1686	0.0044	**1.505**	± 1.9273	0.6992	**1.838**	± 1.4571	0.41087	TAGCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAACCTC
plasmid_cp32-9	24899	BB_N36	*bppB*	**0.756**	± 0.3064	0.316724	**0.641**	± 0.5519	0.46336	**1.022**	± 0.2908	0.76637	**1.037**	± 0.3735	0.69146	GCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTGAAACCTCGT
plasmid_cp32-9	26138	IG 223		**1.439**	± 0.5049	0.261526	**1.358**	± 0.9163	0.49378	**1.086**	± 0.4039	0.67268	**1.123**	± 0.4984	0.74614	ATTTTGTTACATTCAGCTATTACATATTAACAAAACTCAAATGTAATTTTA
plasmid_cp32-9	26255	BB_N38	*erpP*	**3.698**	± 3.119	0.067559	**2.005**	± 1.8657	0.06146	**1.985**	± 1.6899	0.3034	**0.94**	± 0.7195	0.8764	CTTATAGGTGCTTGCAAAATTCATACTTCATATGATGAGCAAAGTAGTGGT
plasmid_cp32-9	26578	BB_N38	*erpP*	**2.365**	± 2.0978	0.11284	**2.166**	± 2.7304	0.37144	**1.111**	± 0.9536	0.42215	**1.221**	± 0.9061	0.24153	CAAACTAGTTTTAAATGATCCGCCTTTAGTCATTGCTTTTATAAAGTTATT
plasmid_cp32-9	26940	BB_N39	*erpQ*	**1.156**	± 0.9227	0.79122	**1.891**	± 2.0607	0.47684	**0.892**	± 0.8728	0.86062	**1.54**	± 0.6177	0.21428	TCCTTTACTGGATCTAAAATCTTATTTACAAATCCTTTAATTTTCCCTTCT
plasmid_cp32-9	27669	BB_N39	*erpQ*	**4.328**	± 4.0177	0.28299	**4.067**	± 2.9015	0.21359	**2.02**	± 0.7089	0.04348	**1.993**	± 1.5651	0.35635	TATGGTTTATTGCCTTCATTTAATTTAGTTCTTAGCGCGTCCCTAGCATCA
plasmid_cp32-9	27830	IG 224		**1.262**	± 0.5919	0.03332	**0.71**	± 0.4322	0.52833	**1.192**	± 0.6187	0.0616	**1.277**	± 0.7125	0.24144	ATTACTGACTGTCACTGATGTATCCTTTAATTTCTTCAAATTTAGAACTAT
plasmid_cp32-9	28142	BB_N41		**1.899**	± 1.4898	0.128948	**2.031**	± 2.1074	0.30731	**1.006**	± 0.7062	0.96412	**0.845**	± 0.5041	0.45474	TAGCTCTTATAAAGCAGCGCAAGAATACGGAATAAAAACTGGAAAAAGCAC
plasmid_cp32-9	28434	BB_N41		**1.609**	± 0.6676	0.179859	**1.644**	± 0.8884	0.17492	**0.844**	± 0.2459	0.41178	**0.723**	± 0.3016	0.38666	ATTGATATTGTTTTGAAACTTTTTGATAAATATGGTTAAGAATACCATAAA
plasmid_cp32-9	28459	BB_N41		**2.011**	± 1.1872	0.032624	**1.375**	± 1.196	0.67903	**0.673**	± 0.5154	0.58688	**0.906**	± 0.4612	0.71382	TCTTTAAATTCGTTGATCATAATTAATTGATATTGTTTTGAAACTTTTTGA
plasmid_cp32-9	28607	IG 225		**1.927**	± 1.0938	0.055449	**1.559**	± 1.2202	0.26328	**1.127**	± 0.6058	0.41081	**1.252**	± 0.5816	0.19144	AAAGTCAAAAAAATACCAAACACCTGTCAATAGATATCAATAAGATAATAG
plasmid_cp32-9	29064	BB_N42		**2.030**	± 1.0985	0.004702	**1.395**	± 0.993	0.29471	**0.694**	± 0.3647	0.20617	**0.966**	± 0.6845	0.69058	TGCATACTAAAATAGAAAATTTAAGAGCCGAAATTGACGCTTTAAATAAAG
plasmid_cp32-9	29308	BB_N43		**1.926**	± 0.689	0.067709	**2.062**	± 1.3231	0.23816	**0.921**	± 0.3078	0.60675	**1.088**	± 0.3598	0.5124	TATCAAACAAAACTTTTTACAACACTACAAAAGGAATACAAAAATAAATAT
plasmid_cp32-9	29405	BB_N43		**1.308**	± 0.5746	0.440605	**1.485**	± 0.7228	0.21733	**1.04**	± 0.4706	0.87547	**1.014**	± 0.3179	0.86786	ATTTTGATAAGTTTGAAGAAAAACAGTTAACTTTAAAACAAAAAAATGTGA
plasmid_cp32-9	29659	BB_N43		**1.421**	± 0.7014	0.431629	**1.497**	± 0.9934	0.49241	**0.623**	± 0.1554	0.0644	**0.905**	± 0.1749	0.27667	TGTAAACTTCTTAAAATTCCTTATATCCCAAGACATACAAATAATTCATAT
plasmid_cp32-9	29672	BB_N43		**1.934**	± 1.2486	0.036689	**2.535**	± 3.6094	0.44581	**1.235**	± 0.9606	0.1264	**1.139**	± 1.0724	0.59481	AAATTCCTTATATCCCAAGACATACAAATAATTCATATATTCTGATTGATT
plasmid_cp32-9	29783	BB_N43		**1.017**	± 0.4648	0.711741	**0.468**	± 0.3649	0.2732	**0.943**	± 0.4183	0.05588	**0.978**	± 0.358	0.69373	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCACCATATAGATTA
plasmid_cp32-9	29786	BB_N43		**1.059**	± 0.8377	0.734276	**0.446**	± 0.3776	0.37997	**0.948**	± 0.6052	0.87889	**0.883**	± 0.6324	0.62994	ATTCAGCACTTATTTTTGTTAATGAGGCTACAACTTTACACAAGCAAACTT
plasmid_cp32-9	29928	BB_N43		**3.100**	± 1.2664	0.046576	**1.569**	± 0.5535	0.08419	**0.736**	± 0.2286	0.08036	**0.942**	± 0.3621	0.86187	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_cp32-9	29931	BB_N43		**3.922**	± 2.7306	0.192841	**2.975**	± 2.9642	0.34141	**1.466**	± 0.8418	0.50656	**1.614**	± 0.5741	0.02487	TATTGATAATATAGCGACATTTAAGATATATAATTTTACAACTTATGATAA
plasmid_cp32-9	29986	BB_N43		**1.887**	± 1.4119	0.284066	**0.47**	± 0.3208	0.24251	**1.322**	± 0.8694	0.40491	**1.422**	± 0.9299	0.33639	GCACATTATCATAAGTTGTAAAATTATATATCTTAAATGTCGCTATATTAT
plasmid_cp32-9	30042	BB_N43		**1.780**	± 1.182	0.097431	**0.831**	± 0.5684	0.12536	**0.759**	± 0.4928	0.11244	**0.912**	± 0.5951	0.18953	TGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTACT

plasmid_cp32-9	30044	BB_N43	**2.175**	± 1.7359	0.06121	**1.176**	± 0.9945	0.09672	**0.78**	± 0.5098	0.48711	**0.873**	± 0.5689	0.63464	TATGATGGTATATCTTTATAGAGTTTTTCTTGTGTTTCGATAAATCCTTTA
plasmid_cp32-9	30122	BB_N43	**1.655**	± 0.2793	0.006932	**1.619**	± 1.3619	0.4694	**0.791**	± 0.202	0.24148	**0.792**	± 0.5189	0.449	TAATCATCAGTAATATTTATTTGTGTAAAAATTGAATCAGTGCTTGCTATC
plasmid_cp32-9	30134	BB_N43	**2.091**	± 1.0261	0.17938	**2.198**	± 2.3012	0.46363	**0.943**	± 0.8213	0.90657	**1.534**	± 0.9428	0.45366	GCCCGATAGCATATTTAGACCCAGCATTTAGTGTTGGAGGGGATAACACTG
plasmid_cp32-9	30190	BB_N43	**4.050**	± 2.5519	0.151361	**2.063**	± 1.1417	0.22866	**2.108**	± 0.5195	0.00205	**2.673**	± 1.4068	0.11865	TGTGTTATGGAGCGAGTTGATGATAAGTATTATGCTTTTGTATTTCAAGAC
plasmid_cp32-9	30215	BB_N43	**2.200**	± 1.0538	0.144302	**1.301**	± 0.862	0.64653	**0.867**	± 0.4434	0.74109	**0.751**	± 0.3115	0.24333	AGTATTATGCTTTTGTATTTCAAGACCAACGACCAGCCAATGATCCTTATA
plasmid_cp32-9	30261	BB_N43	**0.516**	± 0.4045	0.093094	**0.469**	± 0.3859	0.05542	**0.722**	± 0.2708	0.00654	**0.848**	± 0.2889	0.34135	AGGATCATTGGCTGGTCGTTGGTCTTGAAATACAAAAGCATAATACTTATC
plasmid_cp32-9	30503	BB_N43	**0.312**	± 0.4597	0.113528	**0.603**	± 0.7168	0.38376	**2.224**	± 1.1038	0.08757	**0.173**	± 0.112	0.02148	GTTCTTCTGTATTTAATGATATTTATTCGTATAAGGGGGATAGCAAAACCC
plasmid_cp9	37	IG 226	**1.213**	± 1.0272	0.048063	**0.795**	± 0.6697	0.54665	**0.981**	± 0.8557	0.86579	**0.968**	± 0.73	0.933	TATAAATATAAATTGATTATAGTTTTAACATAGCCTA
plasmid_cp9	1399	BBC02	**2.017**	± 2.0823	0.363929	**1.041**	± 1.2516	0.84854	**1.583**	± 1.4123	0.32624	**2.104**	± 1.5027	0.05867	ATGATGGATATTCATAAATTAGGAATTGTTAATGTTAAAAAAAATCAATTT
plasmid_cp9	1854	IG 227	**1.205**	± 1.1377	0.559678	**1.5**	± 1.4022	0.43278	**1.482**	± 1.1559	0.03755	**1.183**	± 0.9459	0.4008	ATTAAGGAAAATGTTGACAAAAATAAAGGAAAATTTTTATGGAAAAAAAAC
plasmid_cp9	1994	BBC03	**0.478**	± 0.7758	0.574043	**0.08**	± 0.1645	0.31772	**0.18**	± 0.3661	0.39032	**0.762**	± 1.2761	0.30938	GTGTCTTGTAATAAGAAATTTTACTTTCATTAATCATTAAATTTTGTTCAA
plasmid_cp9	1997	BBC03	**1.379**	± 1.4645	0.206034	**1**	± 1.2191	0.99955	**0.913**	± 1.0287	0.43069	**1.15**	± 1.2742	0.03686	AAGGAAAAGTTGAATGACAATTTCAAAAAAGAAATATTCCACAGGGTGGAA
plasmid_cp9	2297	BBC03	**1.334**	± 1.0861	0.613802	**0.672**	± 0.808	0.68298	**1.012**	± 0.9211	0.98778	**1.27**	± 1.0433	0.66097	TTGGATTTTGCCTAGATTTTTTTAACGCCGGACTTTCTTTATCTTTTATAA
plasmid_cp9	2449	BBC03	**0.637**	± 0.1827	0.153958	**0.374**	± 0.3251	0.14877	**0.985**	± 0.2057	0.93132	**1**	± 0.2614	0.99826	GATTTTTAGTTCTTCATATTTCCTTAAAAGTTTTTTAAGAAAATCTTTTTG
plasmid_cp9	2774	IG 228	**1.650**	± 0.8955	0.331939	**0.363**	± 0.1946	0.04349	**1.107**	± 0.9402	0.85033	**1.622**	± 0.8331	0.28733	TAAGAAAATTATAACTTACGGAGTAAAAAAATGAAAAACCGCAAAAACAAT
plasmid_cp9	2923	BBC05	**0.226**	± 0.4822	0.502386	**0.17**	± 0.3829	0.47082	**0.045**	± 0.0998	0.35167	**0.029**	± 0.0666	0.37318	TGGCTATAAGTATCAGAATTTCAACGAAATAGCTAGAGAAATTAAAAAAGT
plasmid_cp9	2932	BBC05	**0.841**	± 0.8882	0.679508	**0.847**	± 1.0026	0.33168	**1.652**	± 1.4561	0.11876	**1.77**	± 1.4111	0.15964	CTTATAGCCATAACCTTTAAGATTTTTATCAATCCCCGGCAAGTTCATCCT
plasmid_cp9	2935	BBC05	**0.688**	± 0.6277	0.018325	**0.696**	± 0.7415	0.02123	**1.159**	± 0.9359	0.15143	**1.249**	± 0.909	0.26856	TCAGAATTTCAACGAAATAGCTAGAGAAATTAAAAAAGTTATTGATAAGCA
plasmid_cp9	3047	BBC05	**0.605**	± 0.6185	0.023666	**0.931**	± 1.1016	0.86577	**1.07**	± 0.789	0.53091	**1.073**	± 0.5884	0.8052	GAACTTGTTGCTCCCCCACAACTGTAAAAGTCGGAAATTGCTTAAAATCAA
plasmid_cp9	3050	BBC05	**0.588**	± 0.5802	0.015016	**0.63**	± 0.6293	0.02945	**0.883**	± 0.6067	0.01683	**0.968**	± 0.5725	0.71758	CATGTTGTTAGAACTACGTTTTATAGTACAAACACTGGGTATAAAGACTCC
plasmid_cp9	3075	BBC05	**2.305**	± 0.177	0.00662	**1.564**	± 0.1702	0.03252	**1.276**	± 0.297	0.2687	**1.508**	± 0.4409	0.19183	CTATAAAACGTAGTTCTAACAACATGTAGAACTTGTTGCTCCCCCACAACT
plasmid_cp9	3224	BBC05	**1.699**	± 1.475	0.475124	**0.954**	± 0.9802	0.72082	**0.788**	± 0.6577	0.63512	**0.863**	± 0.8029	0.59547	GTAGCATATCTTAACATAGAAAGTGAAGTGGATACTGATGCAGCTCCTATT
plasmid_cp9	3274	BBC05	**0.264**	± 0.4724	0.043174	**0.35**	± 0.4424	0.29731	**0.114**	± 0.1647	0.12014	**0**	± 0	0.06131	AATAGGAGCTGCATCAGTATCCACTTCACTTTCTATGTTAAGATATGCTAC
plasmid_cp9	3282	BBC05	**1.519**	± 1.1923	0.357859	**0.716**	± 0.8573	0.18468	**0.906**	± 0.7211	0.73592	**0.997**	± 1.0448	0.99589	ACCACGAAAATGAAAATTCTATGCCTAGCAAACAAGCTGGTGTTAACCAAA
plasmid_cp9	3376	BBC05	**1.200**	± 1.016	0.814254	**0.892**	± 0.4657	0.62927	**0.685**	± 0.3531	0.40963	**0.894**	± 0.6158	0.12446	ATACTTTCCGGTTTTTAACTTTTTATCAAAATTTTTTACTTGATTTTGGTT
plasmid_cp9	3473	BBC05	**2.038**	± 0.7214	0.081361	**1.527**	± 0.517	0.01174	**1.227**	± 0.6885	0.64996	**0.921**	± 0.6985	0.78566	ATGCCCGAATAAGAGCATTTATATTATTTTTTTCTTTTTCATCATTTACCC
plasmid_cp9	3476	BBC05	**1.757**	± 0.1852	0.014645	**0.973**	± 0.0858	0.68557	**0.965**	± 0.1594	0.47059	**1.137**	± 0.0957	0.15856	TGTTTTGAAAATGAGGCGGATTTAGATGAAATTTTTAATGATAATCCTGGG
plasmid_cp9	3596	BBC05	**1.601**	± 1.2647	0.455312	**1.226**	± 1.2824	0.80247	**1.519**	± 0.9065	0.45909	**1.653**	± 1.1715	0.38591	GTTCATCTAATTTATTAGTTTTCTTGAAATATTCTAAAAGAATATTTGCCC
plasmid_cp9	3620	BBC05	**0.924**	± 0.1404	0.403562	**0.803**	± 0.6937	0.66374	**1.257**	± 0.2932	0.25244	**1.539**	± 0.3006	0.08002	ACTAATAATCACGACGTTTATGAAACAAGTGTCTTGAAATTCTTTTGCATG
plasmid_cp9	3759	IG 229	**0.939**	± 0.2618	0.789654	**0.998**	± 0.6129	0.99459	**1.016**	± 0.4759	0.94723	**0.951**	± 0.2467	0.57952	TTAAGATATTTTGGCTTTTCTACTCGCTTTATATAATGCTATCTATACGCC
plasmid_cp9	3797	IG 230	**1.670**	± 0.1627	0.010697	**0.978**	± 0.1442	0.84928	**1.033**	± 0.2061	0.79752	**1.197**	± 0.2342	0.1174	GCATTATATAAAGCGAGTAGAAAAGCCAAAATATCTTAATAATTGATTAAT
plasmid_cp9	3800	IG 231	**0.652**	± 0.7104	0.616631	**0.698**	± 0.7365	0.70935	**0.486**	± 0.434	0.32856	**0.488**	± 0.4362	0.40793	TCTATACGCCTCATAAGGTTATAAATTATTTCTTTTTAAGCTATTTTTAAA
plasmid_cp9	3860	BBC06	**1.272**	± 0.9523	0.386045	**0.986**	± 0.8142	0.9733	**0.999**	± 0.9448	0.99627	**0.733**	± 0.5873	0.29322	AAGATTAAGTTTTAAAAATAGCTTAAAAAGAAATAATTTATAACCTTATGA
plasmid_cp9	3888	BBC06	**0.172**	± 0.3044	0.138805	**0.83**	± 0.7068	0.58797	**1.052**	± 1.2696	0.95843	**0.294**	± 0.5143	0.02012	TTAAAACAAATTTTGGCAGACTTGCCTAAAGATTAAGTTTTAAAAATAGCT
plasmid_cp9	4040	BBC06	**3.061**	± 3.2674	0.406774	**1.707**	± 1.9166	0.58798	**2.006**	± 1.6824	0.44628	**0.334**	± 0.3311	0.1614	GTCTCATAAAGGGCTATCCAAATTCAATTTTCGATTATTTAATACAATTAG
plasmid_cp9	4199	BBC06	**1.981**	± 2.0901	0.049646	**0.273**	± 0.5327	0.15731	**0.75**	± 0.7453	0.59291	**0.33**	± 0.5428	0.34113	AAAGCTTTTTTTTTGCTAAAGCTCCAGAAATTAGGGGAAGTTTAAGAAAAA
plasmid_cp9	4302	BBC06	**2.213**	± 1.5582	0.271949	**0.795**	± 0.4124	0.36283	**0.404**	± 0.4059	0.26432	**0.758**	± 0.517	0.21448	TATCTTGACTCATAAAAGCACTTAAATCAATGCTTAACATAAATAATAAAA
plasmid_cp9	4326	BBC06	**1.816**	± 1.1375	0.191252	**1.327**	± 0.7119	0.04314	**0.803**	± 0.3776	0.49858	**0.704**	± 0.3518	0.39509	AATCAATGCTTAACATAAATAATAAAAATAACAATAGGCTTATTTTTCTCA
plasmid_cp9	4379	IG 232	**1.912**	± 0.312	0.002474	**0.971**	± 0.2826	0.89804	**1.067**	± 0.2	0.51501	**1.082**	± 0.425	0.65317	TCCTCTCCTAGGCTTTATTATATACATTCTTATTAGCAATACTAATAAGAA
plasmid_cp9	4396	IG 233	**1.797**	± 1.4423	0.348516	**0.419**	± 0.5185	0.03656	**0.816**	± 0.3487	0.31547	**1.114**	± 0.5345	0.77345	ATAAAGCCTAGGAGAGGATATGAGAAAAATAAGCCTATTGTTATTTTTATT
plasmid_cp9	4411	IG 234	**2.098**	± 1.0646	0.057946	**1.149**	± 0.7593	0.58176	**1.109**	± 0.664	0.61107	**1.631**	± 0.9464	0.33231	ATAAGAATGTATATAATAAAGCCTAGGAGAGGATATGAGAAAAATAAGCCT
plasmid_cp9	4575	BBC07	**0.837**	± 0.7721	0.612071	**0.842**	± 0.8504	0.65565	**1.268**	± 0.7303	0.29044	**1.198**	± 0.7106	0.52526	TTGTGAAAAGAAAAACACTCTTTCTATGGTACGCATTAAATTTTTGTAAAC
plasmid_cp9	4694	BBC07	**2.340**	± 1.8765	0.144795	**1.216**	± 1.2361	0.77982	**1.262**	± 1.45	0.81829	**1.281**	± 1.3427	0.74313	GTCTCTAAACCAGCAATTTTCCTATTTAAGTTAGAAAAATTCTTTTGTGAA
plasmid_cp9	4998	IG 235	**1.307**	± 0.5652	0.196801	**0.939**	± 0.6528	0.60394	**0.799**	± 0.4045	0.63877	**1.066**	± 0.4917	0.77749	TTATTGAAAGTAAAACATAAAAAAAATTCAAGAAATAGTTTATATATTTTT
plasmid_cp9	5230	IG 236	**1.365**	± 2.678	0.717646	**0.252**	± 0.4945	0.35952	**0.836**	± 1.6399	0.70133	**0.262**	± 0.5135	0.42767	TATAAAAAACTACTAAATTTGTACTATATGTCATTTATTAGCCATTTTAAC
plasmid_cp9	5244	IG 237	**0.717**	± 0.1835	0.162311	**0.42**	± 0.3649	0.15995	**0.901**	± 0.1145	0.40223	**0.976**	± 0.129	0.548	GTATATCACATATTCAGTCTAATTCCCTTGAAACTACCACTTTTGTTTATT
plasmid_cp9	5336	IG 238	**1.489**	± 1.0441	0.144399	**1.016**	± 0.9083	0.95874	**0.62**	± 0.3994	0.23801	**1.349**	± 1.0128	0.22456	GTGCTAACATTAAATACAAAATTAGGGCTATAGAGAAGTTAAAATAAACAA
plasmid_cp9	5551	BBC08	**1.811**	± 3.0394	0.058387	**0.88**	± 1.5316	0.7765	**1.028**	± 1.4323	0.97197	**1.962**	± 2.7598	0.47132	TAATGAGCATTATCACTTTACAAGTTTTATTTATAAAGGGGGATTTATTAT
plasmid_cp9	5580	BBC08	**1.733**	± 1.3289	0.133644	**0.914**	± 0.5907	0.38908	**1.056**	± 0.5486	0.81004	**1.232**	± 0.949	0.23159	TTTATAAAGGGGGATTTATTATGACTCAATATTTTAATGATGATATACCAT

plasmid_cp9	5624	BBC08	**1.359**	± 0.9469	0.05732	**0.733**	± 0.639	0.1571	**0.72**	± 0.4491	0.38405	**1.154**	± 0.7394	0.37672	TATCATCATTAAAATATTGAGTCATAATAAATCCCCCTTTATAAATAAAAC
plasmid_cp9	5651	BBC08	**1.324**	± 0.6161	0.22539	**0.87**	± 0.3712	0.61407	**0.945**	± 0.4241	0.6254	**1.033**	± 0.5302	0.83518	ATTAGAAAATATGACCAAACTTGTGTCGCTTGTGGGGCTAAAAATAAACAA
plasmid_cp9	5719	BBC08	**1.415**	± 1.707	0.597325	**1.015**	± 1.2052	0.86973	**1.335**	± 1.6702	0.16314	**0.825**	± 0.9363	0.69219	TGGATTAATAGCATTTTTATTTTGTCTATTTTTTGGCTATTTAGGATTTTC
plasmid_cp9	5723	BBC08	**1.377**	± 0.6709	0.270255	**0.885**	± 0.5064	0.47084	**0.852**	± 0.4389	0.60685	**0.984**	± 0.4798	0.95545	ATCCATAATAAGATTTTTTATTTTGTTTATTTTTAGCCCCACAAGCGACAC
plasmid_cp9	5885	BBC08	**1.254**	± 0.6839	0.28598	**0.917**	± 1.1802	0.90477	**1.18**	± 0.7814	0.2469	**1.448**	± 1.0049	0.51117	GTCTTGTTTGTACTGTTAGTATACTTTTTTTTTGTAAATAGATTTAAAATC
plasmid_cp9	6020	IG 239	**1.119**	± 0.7142	0.626351	**0.005**	± 0.0089	0.06074	**0.222**	± 0.3982	0.05342	**1.066**	± 0.9536	0.93599	GTTACAATTTCTAATGTCTATAAAAATTAAACCAAAAATATATAAATATCA
plasmid_cp9	6061	IG 240	**2.566**	± 1.5489	0.048488	**1.297**	± 0.8145	0.5761	**1.302**	± 0.9223	0.67662	**2.227**	± 1.4613	0.00313	TATATTTTTGGTTTAATTTTTATAGACATTAGAAATTGTAACTACTATGAA
plasmid_cp9	6070	IG 241	**1.695**	± 1.304	0.086797	**0.931**	± 0.6817	0.60967	**0.905**	± 0.7162	0.33618	**1.1**	± 0.8107	0.23315	TGATATTTATATATTTTTGGTTTAATTTTTATAGACATTAGAAATTGTAAC
plasmid_cp9	6075	IG 242	**3.039**	± 1.114	0.034635	**1.259**	± 1.162	0.76551	**0.791**	± 0.5184	0.63643	**1.041**	± 0.4202	0.51103	TATATCCTCTTAATCTTCAAGTTTTGGGGGTTTTGGCATAAAGTCTATGTT
plasmid_cp9	6077	IG 243	**1.132**	± 0.6194	0.262812	**0.847**	± 0.5708	0.08011	**0.917**	± 0.7108	0.5042	**0.985**	± 0.7039	0.95319	TATCCTCTTAATCTTCAAGTTTTGGGGGTTTTGGCATAAAGTCTATGTTGC
plasmid_cp9	6079	IG 244	**1.430**	± 1.2785	0.653638	**1.055**	± 1.0721	0.93565	**0.532**	± 0.6772	0.58275	**0.492**	± 0.7031	0.55851	TCCTCTTAATCTTCAAGTTTTGGGGGTTTTGGCATAAAGTCTATGTTGCGT
plasmid_cp9	6087	IG 245	**1.474**	± 0.373	0.067026	**1.23**	± 0.2446	0.18017	**0.946**	± 0.5103	0.7798	**0.927**	± 0.1913	0.5225	ATCTTCAAGTTTTGGGGGTTTTGGCATAAAGTCTATGTTGCGTTTTTGTGG
plasmid_cp9	6167	IG 246	**1.578**	± 0.8255	0.301895	**1.229**	± 1.1773	0.77554	**0.865**	± 0.694	0.82937	**0.691**	± 0.8896	0.25719	AATTGCTCTAGTGCTCTAGCTCAAATTTTGCATACAATTAAAGTTAGATAA
plasmid_cp9	6207	IG 247	**1.582**	± 0.2558	0.051851	**1.467**	± 0.4626	0.21979	**0.995**	± 0.3835	0.97991	**1.324**	± 0.646	0.50843	AAGTTAGATAACTATATTAAGTGTGTAGTAATAGATATTTTATCTTTTAAG
plasmid_cp9	6220	IG 248	**1.437**	± 1.132	0.198332	**0.964**	± 0.825	0.76741	**1.081**	± 0.7269	0.70845	**0.86**	± 0.5926	0.45095	TAGTTATCTAACTTTAATTGTATGCAAAATTTGAGCTAGAGCACTAGAGCA
plasmid_cp9	6281	BBC10	**1.616**	± 0.6491	0.066309	**1.104**	± 0.5997	0.26385	**1.095**	± 0.6436	0.43947	**1.204**	± 0.499	0.39217	AATAAAGAACAACAAATATTTAGCCTTAAAAGATAAAATATCTATTACTAC
plasmid_cp9	6313	BBC10	**1.406**	± 0.8959	0.376787	**0.735**	± 0.6511	0.31861	**0.473**	± 0.2874	0.16807	**0.818**	± 0.5199	0.05658	GACAGTATAATAAAATATCTTGAAGAAGATTAAATAAAGAACAACAAATAT
plasmid_cp9	6354	BBC10	**1.102**	± 0.6114	0.331682	**0.662**	± 0.2809	0.25567	**0.906**	± 0.3844	0.53229	**0.986**	± 0.4964	0.95751	ATAGCATGGAGTGCAATAGGACTGGTATTTACTCCGGCTGATAGAGCTATT
plasmid_cp9	6595	BBC10	**1.819**	± 1.1964	0.127575	**0.851**	± 0.509	0.00599	**1.371**	± 0.6589	0.07461	**1.884**	± 1.0447	0.11568	AGCTTATTTTTTCTCTACAATGTTTAAATGCAACTTCATCGGCCTCATCAT
plasmid_cp9	6736	BBC10	**1.454**	± 1.0495	0.383044	**0.985**	± 0.4641	0.95296	**0.595**	± 0.4206	0.33944	**1.764**	± 0.9631	0.00749	TTTATAATAAAAAGGAGAGCAACAATTACAGAAACAACAACAATAGAAAAA
plasmid_cp9	6739	BBC10	**1.457**	± 0.5043	0.090853	**0.875**	± 0.4806	0.49797	**1.118**	± 0.5021	0.69374	**1.329**	± 0.4206	0.05446	GTTCACAAGATATTACAAATAATGAAAATATTAATATAAAAATTAATTTAG
plasmid_cp9	6754	BBC10	**4.981**	± 6.4445	0.321029	**1.365**	± 2.4634	0.7616	**0.433**	± 0.7684	0.0606	**4.059**	± 4.428	0.29988	CAAATAATGAAAATATTAATATAAAAATTAATTTAGCTATGTTTATTTTTT
plasmid_cp9	6901	IG 249	**2.968**	± 3.0304	0.391056	**0.785**	± 0.7111	0.5827	**0.238**	± 0.3163	0.14191	**1.613**	± 1.4283	0.46754	TGTCATAGTTTCTATGATATCAAAAAATTCACTAAAATTTTGAGATTATTT
plasmid_cp9	6917	IG 250	**5.167**	± 5.3234	0.183428	**1.406**	± 1.9629	0.79305	**1.731**	± 2.7026	0.66846	**2.301**	± 2.0617	0.29748	ATTTATATTAATTCTATGTCATAGTTTCTATGATATCAAAAAATTCACTAA
plasmid_cp9	6920	IG 251	**2.889**	± 2.1701	0.007511	**0.224**	± 0.411	0.10915	**1.779**	± 1.2497	0.12235	**0.449**	± 0.539	0.30826	ATATTATTTTATTTTGATATTTAATTTTGTTTGATTTAAAAGTGGAGTTAA
plasmid_cp9	6955	IG 252	**1.042**	± 0.6491	0.943793	**0.42**	± 0.2933	0.09093	**0.82**	± 0.6123	0.0803	**0.966**	± 0.6587	0.95097	AATCAAACAAAATTAAATATCAAAATAAAATAATATTAATTTATATTAATT
plasmid_cp9	7061	BBC11	**2.185**	± 1.6169	0.068905	**0.398**	± 0.4442	0.40891	**0.665**	± 0.4686	0.51271	**1.596**	± 1.2898	0.28196	TTTGTAGTATTTTTTGATTATCCTCGTGAATTTTAAGCAATACTTCTGCGG
plasmid_cp9	7184	BBC11	**0.422**	± 0.4476	0.062831	**0.386**	± 0.4283	0.08446	**0.89**	± 0.7187	0.74057	**1.198**	± 1.1096	0.64113	ATTGATTAGTTTTTGGATTTAAGTACAACTTAGCAGTGGTTTTAGAATTTT
plasmid_cp9	7211	BBC11	**2.060**	± 0.8891	0.204322	**0.671**	± 0.2177	0.26271	**1.035**	± 0.3011	0.62744	**1.223**	± 0.5218	0.33781	AAACAAATTGACCCAATAGCTGGATGGTTTGTACACCTACTGGTAATAAGT
plasmid_cp9	7253	BBC11	**1.082**	± 0.9764	0.642273	**0.829**	± 0.8722	0.33486	**0.755**	± 0.814	0.50931	**1.04**	± 0.9647	0.41764	CCAGTAGGTGTACAAACCATCCAGCTATTGGGTCAATTTGTTTTAATGTCT
plasmid_cp9	7339	BBC11	**2.241**	± 1.983	0.136666	**2.402**	± 2.8016	0.31492	**1.094**	± 0.9434	0.26684	**0.74**	± 0.5051	0.37773	TAAAGTTTTTCCGGTTTTGCTTAAAAAAGTTGAAATATCTTGCATTTTTAC
plasmid_cp9	7380	BBC11	**2.033**	± 1.993	0.43819	**0.72**	± 0.4871	0.34565	**0.696**	± 0.5781	0.36699	**0.619**	± 0.5503	0.23683	CTTGTACTAGAGAATTTGTTATAACCGAAAAAGAATTTAATGCTATTCAAA
plasmid_cp9	7419	BBC11	**1.208**	± 0.8722	0.630378	**1.146**	± 0.8467	0.82929	**0.662**	± 0.4655	0.50639	**1.041**	± 0.9487	0.96048	ATGCTATTCAAAAAGTACACGAAATTTACTTCAAAAAGAAAAATCTTAATA
plasmid_cp9	7539	BBC11	**0.675**	± 0.4263	0.262603	**0.37**	± 0.5188	0.33075	**0.983**	± 0.7029	0.97455	**0.623**	± 0.3458	0.40684	TTGCTAAAAAAATTCAAAAAGTTACTTAGAAAATGGGGTTTTGAAGCACGTA
plasmid_cp9	7587	BBC11	**1.492**	± 0.6245	0.132555	**0.833**	± 0.3327	0.4694	**0.82**	± 0.3768	0.15509	**1.063**	± 0.2261	0.54039	CGTGCTTCAAAACCCCATTTTCTAAGTAACTTTTTGAATTTTTTAGCAATA
plasmid_cp9	7604	BBC11	**3.027**	± 4.1706	0.026432	**1.12**	± 1.6861	0.91333	**1.955**	± 3.3626	0.15353	**2.077**	± 3.0187	0.03488	TGTAGAAATTTGTTTATTTTCAATTTAAAATCTAATGGCTACAACTCTTTT
plasmid_cp9	7704	BBC11	**1.055**	± 0.9122	0.768894	**0.819**	± 0.6479	0.21869	**0.603**	± 0.4609	0.08243	**1.141**	± 0.9208	0.61136	TTTATGGACTATCTCATGCAAGTAAAATTCAAGCGTATGAGTGCATAAAAA
plasmid_cp9	7781	IG 253	**1.248**	± 1.0479	0.228934	**0.809**	± 0.5943	0.53817	**0.647**	± 0.4288	0.24044	**0.687**	± 0.4736	0.26807	ACTGGTTAAGCTATAAGGCAATACTATTTTTTATGCACTCATACGCTTGAA
plasmid_cp9	7818	IG 254	**1.002**	± 0.3329	0.995016	**0.691**	± 0.3243	0.34475	**0.673**	± 0.3256	0.06769	**1.035**	± 0.344	0.83018	TACTCCTTTATAATCCTTTACATTTATTTATGTATTTCTAATAATCTTTAT
plasmid_cp9	7820	IG 255	**4.184**	± 3.6731	0.173097	**2.007**	± 2.3771	0.3505	**1.707**	± 2.1257	0.62162	**1.58**	± 1.3005	0.40531	CTCCTTTATAATCCTTTACATTTATTTATGTATTTCTAATAATCTTTATCA
plasmid_cp9	7827	IG 256	**0.698**	± 0.1953	0.183116	**0.456**	± 0.411	0.15209	**0.917**	± 0.2194	0.40178	**0.827**	± 0.1866	0.2473	TAAAGGAGTATATGTCAAAAATAAAGATATTCACCATTTAAGCTTAACTGG
plasmid_cp9	7883	IG 257	**1.482**	± 0.54	0.205898	**0.954**	± 0.4153	0.86296	**0.851**	± 0.4941	0.03618	**0.784**	± 0.3164	0.22418	TTGACTGGGACACTGATAAAGATTATTAGAAATACATAAATAAATGTAAAG
plasmid_cp9	7898	IG 258	**1.345**	± 0.7364	0.342963	**0.566**	± 0.558	0.12817	**1.098**	± 1.1561	0.86796	**1.075**	± 0.3257	0.19406	GTATCAGTGCCCCTATTGACTGGGACACTGATAAAGATTATTAGAAATACA
plasmid_cp9	8047	BBC12	**0.731**	± 0.1699	0.174895	**0.457**	± 0.4009	0.19727	**0.872**	± 0.142	0.31617	**0.915**	± 0.2005	0.08447	AATATCCACTAATTAATAATGTGAATTATAAATTTAGAGAATTTGTGTTTA
plasmid_cp9	8336	BBC12	**0.863**	± 0.591	0.278986	**0.614**	± 0.5794	0.04753	**1.162**	± 0.7543	0.36433	**1.203**	± 0.7693	0.32795	TCTCATAATGGGAATAATGATACTTTTATAAATCTTGTTCAAGATTTAGTA
plasmid_cp9	8611	BBC12	**2.663**	± 0.6846	0.008965	**1.252**	± 0.796	0.56856	**0.799**	± 0.2246	0.10506	**1.071**	± 0.3231	0.46105	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGTAGTA
plasmid_cp9	8726	BBC12	**0.960**	± 0.9076	0.655959	**0.474**	± 0.3772	0.14284	**0.537**	± 0.3653	0.24279	**0.791**	± 0.5491	0.50823	TTCAAAAAAAATGGGTAGTTCACAAACTTTAGTGGGCTCAACAATTGATGGC
plasmid_cp9	8727	BBC12	**1.094**	± 0.5072	0.033336	**0.568**	± 0.2604	0.04899	**0.691**	± 0.2564	0.16684	**0.728**	± 0.4039	0.17989	TTTCAAAAAAAATGGGTAGTTCACAAACTTTAGTGGGCTCAACAATTGATGG
plasmid_cp9	8845	BBC12	**1.674**	± 1.1677	0.335175	**0.648**	± 0.5483	0.18217	**0.93**	± 0.7514	0.88892	**0.692**	± 0.2577	0.33589	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGAATTTATTAAAG

plasmid_cp9	8848	BBC12	**1.251**	± 0.3295	0.202271	**0.475**	± 0.1628	0.1123	**0.726**	± 0.2335	0.33276	**0.886**	± 0.1968	0.41639	TATAAATTCTCTTCATAAGGCATACTTATACCAAAATATTTAAGCAGTCTA
plasmid_cp9	8849	BBC12	**0.456**	± 0.8365	0.584094	**1.097**	± 1.2145	0.9113	**1.106**	± 1.3209	0.86341	**0.725**	± 0.891	0.6617	TATATGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGAATTTATT
plasmid_cp9	8886	BBC12	**0.535**	± 0.9648	0.177761	**1.75**	± 2.182	0.64941	**0.987**	± 1.2334	0.97625	**0.799**	± 1.0965	0.82396	TTTAAGCAGTCTATTCATCATTAAATCTTTTAACCCTACACCACCAGTTAG
plasmid_cp9	9233	IG 259	**1.242**	± 0.3609	0.07528	**0.707**	± 0.4337	0.22691	**0.919**	± 0.3084	0.27771	**1.094**	± 0.3046	0.54922	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAAATTTTTTATTAAAACAC
plasmid_lp17	439	BB_D01	**1.788**	± 1.3645	0.390322	**3.397**	± 3.2391	0.31505	**1.039**	± 0.2599	0.67941	**1.182**	± 0.3708	0.41482	TAGTTAATAGTAGAATTAATATTATCATTTTGGTTAGTAATAATGGTTGAA
plasmid_lp17	459	BB_D01	**1.339**	± 0.9953	0.568753	**1.689**	± 1.4439	0.41385	**0.784**	± 0.7171	0.74574	**0.906**	± 0.6862	0.8078	TAGTTTGAATATAAGGTGGGTAGTTAATAGTAGAATTAATATTATCATTTT
plasmid_lp17	750	BB_D01	**1.689**	± 1.6756	0.476507	**2.185**	± 2.0046	0.34466	**0.908**	± 1.1295	0.87239	**2.482**	± 1.5872	0.17364	TATAGTAATAACTACTACTACTATCAGCATTATTGTTAATGCTAGGCATGA
plasmid_lp17	751	BB_D01	**2.976**	± 1.2308	0.032901	**1.112**	± 0.8094	0.85481	**0.961**	± 0.4859	0.91617	**0.855**	± 0.7093	0.60687	CCAACTACATAATAAATGGAGACAATTTGTTAAGAATTATTAGCAACTTAT
plasmid_lp17	860	IG 260	**1.541**	± 1.2021	0.223516	**1.397**	± 0.8728	0.02748	**0.969**	± 0.5583	0.90364	**1.14**	± 0.754	0.15084	TATATAAAAAAAAATAGTATTAAAATTTTCAAGAATATTGGTAATTTATAAA
plasmid_lp17	861	IG 261	**0.819**	± 0.9421	0.741927	**0.368**	± 0.6516	0.45791	**0.352**	± 0.4226	0.12461	**0.708**	± 0.7265	0.2084	CTATAATATTATGAAAAAAAATCAAAAAAACAAGTGCTCAGAAATAGAAAA
plasmid_lp17	871	IG 262	**1.293**	± 1.0209	0.645261	**1.153**	± 1.1866	0.85975	**1.369**	± 1.0012	0.38866	**0.73**	± 0.5772	0.66188	ATGAAAAAAAATCAAAAAAACAAGTGCTCAGAAATAGAAAAAACACAATTA
plasmid_lp17	1035	IG 263	**1.197**	± 0.7806	0.48175	**1.008**	± 0.5518	0.97419	**0.936**	± 0.647	0.83355	**0.837**	± 0.7268	0.03951	TATTCAATTCTAGATTTAATAATGTATTGTCACATAAAGCAGGCATACCCC
plasmid_lp17	1141	BB_D03	**1.164**	± 0.5763	0.698691	**1.404**	± 0.6677	0.20003	**1.615**	± 1.0522	0.21099	**1.486**	± 1.1234	0.31938	AAAAACAAAAACCATAGTAAAACTATCTTTTAAAAACCAGTCCAAATATAT
plasmid_lp17	1191	BB_D03	**2.000**	± 0.5414	0.008482	**1.251**	± 0.4502	0.23325	**0.816**	± 0.2848	0.21677	**1.28**	± 0.4831	0.12183	TGATTTATTATAAAATTAATCCCCCTTAAAGTGTTTCGTTCAACAATACAA
plasmid_lp17	1531	BB_D04	**1.502**	± 1.4771	0.133001	**1.437**	± 1.1602	0.42118	**0.936**	± 0.7442	0.86214	**0.775**	± 0.5806	0.62499	TAGTATCCAATATTTTTTGAATTTAGGTCAATGTTGTTTAGTGTGTAAATA
plasmid_lp17	1578	BB_D04	**2.454**	± 3.0428	0.451618	**0.728**	± 1.1125	0.75015	**0.257**	± 0.3185	0.23113	**0.629**	± 0.6729	0.64487	TATTGCAATACTAGTAAAGATATTGAAATAGACATAGACTTATTAATAAAG
plasmid_lp17	1587	BB_D04	**2.683**	± 0.9707	0.088158	**0.865**	± 0.7113	0.71058	**1.691**	± 0.579	0.18566	**2.166**	± 2.2955	0.42626	TATTGCAATATCTATCTATGTTAAAAGTAAACGCACGGCGTATAAAGCCCC
plasmid_lp17	1777	IG 264	**1.814**	± 0.2133	0.020945	**2.061**	± 1.992	0.44897	**1.314**	± 0.3895	0.36105	**1.335**	± 0.4417	0.22847	GATATTAAAAAGAGAAACATCTTTAGTATATTACTAAAGGTGTTTCTCC
plasmid_lp17	1929	IG 265	**1.701**	± 0.5349	0.024191	**2.013**	± 1.0022	0.08956	**1.063**	± 0.4449	0.63287	**1.152**	± 0.5244	0.23342	GTGTCTCATAGGCCTAATAAAGAACAATTAAAACTAAAAAATATATAAATA
plasmid_lp17	2467	IG 266	**1.762**	± 0.4468	0.067539	**1.46**	± 0.6321	0.38409	**1.157**	± 0.614	0.60255	**0.803**	± 0.222	0.1852	TAAAACTAATCAACATGAAGTTGATTCTAAAACCCTGTTAGAATATCTTGA
plasmid_lp17	2722	IG 267	**1.596**	± 0.5653	0.114519	**1.978**	± 0.9548	0.04507	**1.232**	± 0.4229	0.34283	**0.97**	± 0.3743	0.80992	TATTAGGCCTTTAATACTCTAAAGTATTATGCTATTTCGCAAAAATAATTT
plasmid_lp17	2885	IG 268	**3.073**	± 2.133	0.17603	**1.126**	± 0.3526	0.56578	**1.065**	± 0.7987	0.91751	**0.778**	± 0.4002	0.51073	TAAGTGGCTTAAGGAAGATAAGTTACTTAAAGCCCTTATCGCATTTATACT
plasmid_lp17	2936	IG 269	**4.261**	± 1.4836	0.00272	**2.393**	± 1.5861	0.27602	**1.181**	± 0.5648	0.71088	**2.481**	± 1.1124	0.05614	TAATTGTATATTAAATAGAAAATAAAGTCTAGATATATTAATCTAGTAATA
plasmid_lp17	2937	IG 270	**0.926**	± 1.3498	0.874742	**1.553**	± 2.167	0.20431	**0.756**	± 0.9812	0.55526	**0.631**	± 0.8191	0.51873	TAATTAGGAAGCATTATGTGCTCCAAATGGATGATAACCAGATAAAGGGCT
plasmid_lp17	2948	IG 271	**2.538**	± 1.3972	0.079649	**2.028**	± 1.3022	0.16878	**1.802**	± 1.1833	0.37184	**1.362**	± 0.5472	0.02718	AAATAGAAAATAAAGTCTAGATATATTAATCTAGTAATATTCTAAATTATA
plasmid_lp17	2970	IG 272	**1.291**	± 1.2068	0.493996	**2.084**	± 2.1593	0.37877	**0.596**	± 0.337	0.19413	**0.797**	± 0.6966	0.58775	TATCTAGACTTTATTTTCTATTTAATATACAATTAATTAGGAAGCATTATG
plasmid_lp17	3207	BB_D05a	**2.137**	± 1.6459	0.383718	**2.217**	± 0.8495	0.13943	**1.191**	± 0.9544	0.79274	**0.672**	± 1.0715	0.69303	GGGGTAAATTCGGGTACAGAAATTTATTATAAGCTTAATTATCCTAAAAAA
plasmid_lp17	3246	BB_D05a	**1.458**	± 0.6141	0.040187	**1.582**	± 0.981	0.16662	**1.01**	± 0.4138	0.90705	**0.957**	± 0.4256	0.64668	TATCCTAAAAAAGATTGTTACCATAAGATAAACCAACACTTTAAAGAAAAA
plasmid_lp17	3250	BB_D05a	**4.488**	± 5.2176	0.131754	**1.352**	± 1.4912	0.57064	**5.862**	± 6.912	0.1476	**1.48**	± 1.9957	0.23165	CTAAAAAAGATTGTTACCATAAGATAAACCAACACTTTAAAGAAAAAAAAG
plasmid_lp17	3265	BB_D05a	**1.393**	± 0.5095	0.183527	**1.5**	± 0.5638	0.18751	**0.935**	± 0.1842	0.2	**0.945**	± 0.2299	0.51464	TAACAATCTTTTTTAGGATAATTAAGCTTATAATAAATTTCTGTACCCGAA
plasmid_lp17	3581	BB_D05a	**1.174**	± 0.4308	0.391609	**1.009**	± 0.7116	0.97657	**0.909**	± 0.4209	0.11472	**1.18**	± 0.4676	0.44393	CTTTACTAAATCTTGTATTGCTTAAATATTATTTGGGAAAATTTTTATCTA
plasmid_lp17	3685	BB_D0027	**0.815**	± 0.537	0.382007	**0.605**	± 0.5427	0.55509	**0.681**	± 0.5125	0.16884	**0.804**	± 0.6127	0.21939	TATTTTGATAGTCTAATAAGAGTTGCTGCATCATTTCTGAGACTGTTGTTT
plasmid_lp17	3798	BB_D0027	**0.937**	± 0.7506	0.902774	**1.41**	± 1.5225	0.55537	**0.799**	± 0.7022	0.64387	**0.416**	± 0.2482	0.14865	TTCAATATATAGTAGCCTTTAAATTGCATATTGAAATTGTTATAATACAAA
plasmid_lp17	3806	BB_D0027	**1.969**	± 1.4466	0.190248	**1.622**	± 1.4437	0.43109	**0.927**	± 0.625	0.84688	**0.703**	± 0.4543	0.33132	TATATTGAATATATGTCATTTTTTAGTTTTTCTGCTTCTTTTCTTTTTTCT
plasmid_lp17	3811	BB_D0027	**1.742**	± 2.0299	0.274781	**2**	± 2.9218	0.44021	**0.792**	± 0.6658	0.64318	**1.139**	± 1.1283	0.34714	AGCCTTTAAATTGCATATTGAAATTGTTATAATACAAAGCCTGTCTTTAAT
plasmid_lp17	3844	IG 273	**2.519**	± 1.2053	0.097641	**2.367**	± 1.6661	0.31117	**1.221**	± 0.6061	0.41823	**0.925**	± 0.5257	0.15507	TATTATAACAATTTCAATATGCAATTTAAAGGCTACTATATATTGAATATA
plasmid_lp17	3919	IG 274	**1.983**	± 2.0828	0.006973	**4.432**	± 7.1002	0.33581	**0.769**	± 0.769	0.76574	**2.626**	± 2.8031	0.03385	TAAATTATAGGTTAAAAATTTTTTGTAATCTTTAGTAAGAATGTTAAACCT
plasmid_lp17	3922	IG 275	**1.234**	± 1.0224	0.699548	**1.642**	± 1.9083	0.32348	**1.055**	± 0.8561	0.81691	**1.255**	± 1.0461	0.60642	TAAACTTTAATTCTAATAATAAGTAAACTGATGTTTCTATAGATCTTTAAT
plasmid_lp17	3981	IG 276	**4.312**	± 3.2739	0.059536	**3.672**	± 2.308	0.05111	**2.211**	± 1.7196	0.33133	**1.494**	± 0.9155	0.3679	TATTATTAAATTAAAGATCTATAGAAACATCAGTTTACTTATTATTAGAAT
plasmid_lp17	4164	IG 277	**0.963**	± 0.5426	0.88457	**0.62**	± 0.5336	0.56161	**1.088**	± 0.7262	0.45687	**1.129**	± 0.8058	0.15224	ACAATGATTACATTCATTTATTATTAGAATTTGCCTCCAATATTTAACTTT
plasmid_lp17	4496	IG 278	**2.162**	± 1.8828	0.14006	**1.928**	± 1.694	0.16236	**1.086**	± 0.9126	0.80914	**1.495**	± 1.8296	0.50112	TATTTATATGAGCATTACTTAAGCCATTATTCTAGCTTTGAATAATATTTG
plasmid_lp17	4613	IG 279	**0.971**	± 0.5685	0.903651	**0.649**	± 0.5826	0.60722	**1.084**	± 0.7144	0.51696	**1.119**	± 0.7779	0.26993	TATGACAATGATTACATTCATTTATTATTAGAATTTGCCTCCAATATTTAA
plasmid_lp17	5046	IG 280	**1.705**	± 0.1929	0.026092	**1.486**	± 0.7729	0.40175	**0.98**	± 0.2794	0.91479	**0.863**	± 0.5008	0.68942	TATTATATGATAGCAGTCTTGAATAATTTTAGTAAACCTTTTTTATAGATT
plasmid_lp17	5074	BB_D09	**1.262**	± 0.837	0.013597	**1.139**	± 0.8549	0.27077	**0.735**	± 0.5077	0.43221	**0.866**	± 0.5893	0.39897	TAAAAGTTTTATTTTTCATTATACAACTTATTATATGATAGCAGTCTTGAA
plasmid_lp17	5109	BB_D09	**1.825**	± 1.8093	0.295818	**1.988**	± 1.2842	0.01323	**1.56**	± 1.3504	0.60146	**1.615**	± 0.8895	0.07033	TATTGCCAAATTTTTAATCAAAAATATTAAGAATATAAAAGTTTTATTTTT
plasmid_lp17	5122	BB_D09	**1.170**	± 0.748	0.110984	**0.58**	± 0.4722	0.47847	**1.018**	± 0.5552	0.91073	**1.017**	± 0.6612	0.67549	TATTTTGAGCATATATTGCCAAATTTTTAATCAAAAATATTAAGAATATAA
plasmid_lp17	5176	BB_D09	**0.250**	± 0.3979	0.237965	**2.876**	± 4.7856	0.57246	**0.035**	± 0.0356	0.07628	**1.045**	± 0.8129	0.94725	TAATAAATATCCCTTTTAGATTTTTAATTTTAGCTTGTTTAAATTCATAGT
plasmid_lp17	5893	BB_D10	**1.524**	± 0.972	0.200453	**1.117**	± 0.8516	0.86814	**0.507**	± 0.3212	0.29324	**0.892**	± 0.5346	0.82125	TTAACTTTTGAATTAAAATCATCCAAAAACTTTTTAAAAGGAATCTTATTA
plasmid_lp17	7724	IG 281	**2.291**	± 2.2467	0.352087	**1.474**	± 0.9865	0.51705	**0.775**	± 0.4468	0.59063	**1.656**	± 0.9641	0.208	TATGTTGAATACTTTTGTTAGGGTGTTTGTCAAGAGCTTATTAGATTATGT

plasmid_lp17	9414	IG 282	**1.589**	± 0.5374	0.025443	**1.561**	± 0.6657	0.08049	**0.958**	± 0.4069	0.74352	**1.329**	± 0.5244	0.11018	TATATAATAATACTTTTTATATATGTAAATAGCAATTAATTTTGATTAATT
plasmid_lp17	9417	IG 283	**3.562**	± 5.2369	0.412614	**3.683**	± 4.1172	0.02037	**0.578**	± 0.7652	0.42388	**2.057**	± 2.414	0.00388	GGCCCTATTCTAAGAATTTTTTTACTTTAGGAACATTTAATATATTTTCTT
plasmid_lp17	9479	IG 284	**1.494**	± 0.8115	0.035953	**1.029**	± 0.7406	0.965	**0.619**	± 0.3294	0.19596	**0.591**	± 0.5169	0.05325	TATATGAACTGTAAGAAAATATATTAAATGTTCCTAAAGTAAAAAAATTCT
plasmid_lp17	9481	IG 285	**1.210**	± 1.4861	0.391913	**1.582**	± 2.251	0.43213	**0.937**	± 0.9707	0.67607	**1.118**	± 1.3455	0.43572	TATATATGAACTGTAAGAAAATATATTAAATGTTCCTAAAGTAAAAAAATT
plasmid_lp17	9482	IG 286	**2.396**	± 0.7295	0.062242	**1.832**	± 0.8598	0.26786	**1.556**	± 0.508	0.22797	**1.569**	± 0.6205	0.27178	TATATGCATTTCTATTAAAAAGACACTGAAAAACTCATATTTACCAACTAA
plasmid_lp17	9484	IG 287	**1.275**	± 0.4883	0.045721	**1.4**	± 0.7531	0.26317	**0.939**	± 0.3099	0.55581	**1.078**	± 0.5284	0.60842	TATGCATTTCTATTAAAAAGACACTGAAAAACTCATATTTACCAACTAAAC
plasmid_lp17	9486	IG 288	**1.548**	± 0.2958	0.08646	**1.522**	± 0.2621	0.09823	**0.926**	± 0.3539	0.70492	**0.92**	± 0.2887	0.57769	TGCATTTCTATTAAAAAGACACTGAAAAACTCATATTTACCAACTAAACTA
plasmid_lp17	9820	BB_D15	**1.640**	± 0.5582	0.100954	**1.584**	± 0.8095	0.27946	**1.024**	± 0.389	0.93503	**1.158**	± 0.4095	0.40898	TCACAACCCAATATTAATAAAAAAGTTAATATTATAAATAATAATGAAATA
plasmid_lp17	9859	BB_D15	**1.837**	± 1.8613	0.323261	**2.862**	± 2.913	0.27732	**1.265**	± 1.3026	0.5775	**1.345**	± 1.2583	0.45907	TATTTATAATATTAACTTTTTTATTAATATTGGGTTGTGATTTATCAATAA
plasmid_lp17	9990	IG 289	**4.032**	± 4.5222	0.25246	**1.89**	± 3.5114	0.61589	**1.18**	± 0.8787	0.50305	**2.037**	± 1.8015	0.092	TACTACAATAATGCTTAACTTTAAATTTTTAAAATGTGTTTACTTGTGCTT
plasmid_lp17	9994	IG 290	**1.204**	± 0.961	0.411347	**0.861**	± 1.1145	0.88653	**0.535**	± 0.4202	0.22346	**1.025**	± 0.8289	0.86153	TATATACTACAATAATGCTTAACTTTAAATTTTTAAAATGTGTTTACTTGT
plasmid_lp17	10316	IG 291	**0.412**	± 0.215	0.088031	**0.367**	± 0.3544	0.27917	**0.869**	± 0.4352	0.5329	**0.809**	± 0.5175	0.12561	TAAACCACCAATACTTTTCTTTTGCTATACAAAAATCTTACAGATCTAAAT
plasmid_lp17	10421	IG 292	**1.148**	± 0.8618	0.720026	**1.474**	± 0.5069	0.07074	**1.381**	± 0.6653	0.50284	**1.014**	± 0.6393	0.9703	TACTACATAGTTTACTTAATAGGAAACATCTATCTGCTTTATGTAAATAAA
plasmid_lp17	10424	IG 293	**2.233**	± 1.8382	0.32674	**2.104**	± 2.0889	0.42512	**1.2**	± 1.0908	0.7565	**0.579**	± 0.526	0.31758	TATGGTATTAAAAATACAACTCTAAAATTAAGAGAAACCAGTTGGCCTTTT
plasmid_lp17	10548	IG 294	**1.391**	± 0.8449	0.271304	**1.504**	± 0.8174	0.43441	**1.413**	± 0.5972	0.14252	**1.394**	± 0.6763	0.21384	AGCTAAGACAGGAGCTGCCTTAAGTAAGGCTAGATCATGTATTGGTAAATA
plasmid_lp17	10613	IG 295	**0.711**	± 0.3955	0.43132	**0.382**	± 0.433	0.26845	**1.141**	± 0.5628	0.57131	**1.16**	± 0.4573	0.60817	TATTTAAAAGAACAGTATTTACCAATACATGATCTAGCCTTACTTAAGGCA
plasmid_lp17	11783	IG 296	**1.682**	± 1.42	0.398006	**1.76**	± 1.5004	0.34851	**0.983**	± 0.7794	0.95663	**1.404**	± 0.6011	0.11272	TAAGTTAAAATCTACAACAGTTTAGAAAAAAAACAAAATTAAAAATATTTT
plasmid_lp17	12041	IG 297	**1.545**	± 1.2125	0.292606	**1.888**	± 1.2904	0.23478	**2.094**	± 0.8416	0.07407	**2.34**	± 1.6015	0.12961	GTAAGTAAATTCTGGTGATAAATGAATTTTATTTTTATCATAATTTAAATT
plasmid_lp17	12167	IG 298	**1.151**	± 1.0288	0.724262	**0.761**	± 0.6976	0.55742	**0.824**	± 0.783	0.81969	**0.483**	± 0.5072	0.28447	TATAAATGCCAACCTTCTCTTTGCCAAATAATACTTATTTTATGTTCTTTA
plasmid_lp17	12245	IG 299	**1.532**	± 0.3818	0.021476	**1.29**	± 0.5749	0.33487	**0.91**	± 0.2677	0.5068	**1.139**	± 0.3935	0.53695	TATTATATAAAAATCCTACACATCTAAATACTTTTAAAAAGTATTTCTTTT
plasmid_lp17	12693	BB_D20	**1.643**	± 1.3868	0.104396	**1.622**	± 1.4507	0.15195	**0.965**	± 0.7174	0.79699	**1.197**	± 1.0206	0.12184	TATCTTTAATTAATAAGTTCTCTATTGCTATATTTTTATAAATAACTATAA
plasmid_lp17	12755	BB_D20	**1.954**	± 1.3068	0.287268	**1.751**	± 1.433	0.40201	**0.889**	± 0.6604	0.20062	**1.186**	± 0.9668	0.81275	GTATAAATCAGAATGGTATGGATCCTTTTTGTATAAAGTAGGTATATATTT
plasmid_lp17	12794	BB_D20	**0.206**	± 0.3576	0.05435	**0.496**	± 0.8619	0.37869	**0.852**	± 1.0322	0.82708	**0.049**	± 0.0678	0.00496	TACTTTATACAAAAAGGATCCATACCATTCTGATTTATACTATAATCGTCT
plasmid_lp17	12939	BB_D20	**0.849**	± 0.2836	0.531714	**0.549**	± 0.4374	0.35074	**0.905**	± 0.2157	0.6049	**1.183**	± 0.3559	0.25673	AAGAAATAAAAGCTAAGACAGGAATTTTCCGAATTTAGGCTTGTTAATCAT
plasmid_lp17	13007	IG 300	**2.103**	± 2.1978	0.341857	**1.236**	± 1.0212	0.41382	**1.183**	± 0.8333	0.6076	**1.534**	± 1.1544	0.33133	TATTTTCACACCAATAGCATGATTAACAAGCCTAAATTCGGAAAATTCCTG
plasmid_lp17	13068	IG 301	**1.472**	± 0.5738	0.102973	**1.537**	± 0.495	0.09584	**1.085**	± 0.3263	0.74875	**1.036**	± 0.4169	0.71691	TATCTCTATATTCACGGCTTTTGTCTCATTCTACGATAACTTTTTAGTTCT
plasmid_lp17	13082	IG 302	**0.742**	± 0.694	0.671434	**1.126**	± 1.1974	0.56197	**1.259**	± 1.3812	0.7613	**0.803**	± 1.014	0.72325	TTTTAAGGCCACATCAGATCTAATTCATTAAAAAATTTTGTGAAAGGGGCT
plasmid_lp17	14391	IG 303	**1.597**	± 1.3765	0.121741	**1.747**	± 1.6778	0.1818	**0.95**	± 0.6547	0.84364	**1.064**	± 0.9128	0.60318	TATGATTTCTGTGAAATTTAGGTAGATATGAATTTGTTAGTAAATGGATTT
plasmid_lp17	14497	IG 304	**1.516**	± 1.5462	0.539236	**1.601**	± 1.6799	0.1416	**1.761**	± 2.4208	0.62475	**1.214**	± 1.3243	0.62893	TATACTAGAGAGAAAGTTTTTCCGATATGATCAAAAAGCATATTCGGAATC
plasmid_lp17	14850	BB_D23	**0.815**	± 1.0266	0.565161	**0.658**	± 0.8507	0.7376	**1.008**	± 1.202	0.9769	**0.839**	± 0.9955	0.76295	TATATACTCTATTATTTTATAATAATTACTTAGTGTATATAGAAATGAGAT
plasmid_lp17	15187	BB_D23	**1.342**	± 0.7831	0.451584	**1.385**	± 0.3139	0.02914	**0.883**	± 0.3861	0.69363	**1.172**	± 0.2957	0.45539	GCTTATCTAAAATAGGATTTGTAAAGTTATGTCTACATAGGATCATTATAA
plasmid_lp17	15382	BB_D23	**1.106**	± 0.8623	0.565505	**0.458**	± 0.3569	0.32925	**0.881**	± 0.5801	0.39688	**0.882**	± 0.6267	0.51685	TAGAATGATTGTTTTTTTACTTTCACGACTCTTTTTTATTATTTTTTTTAT
plasmid_lp17	15743	BB_D0031	**1.907**	± 1.8549	0.319679	**2.49**	± 2.8036	0.34626	**0.912**	± 0.4728	0.62225	**0.974**	± 0.5536	0.78071	TTTTGGCGGATGGCCGGTCTTAATAAAAAATAATTTAAAAAGTTATCATAT
plasmid_lp17	15958	BB_D24	**2.168**	± 2.711	0.50052	**1.422**	± 1.4053	0.5527	**1.469**	± 1.0931	0.58333	**2.438**	± 1.7302	0.19514	AATTAATAGATAAAAAATTAATTTTAACATTTCTATTAATAATAAAAAAAT
plasmid_lp17	16058	BB_D24	**1.993**	± 1.595	0.028917	**1.495**	± 1.9642	0.52429	**0.934**	± 0.82	0.83244	**0.98**	± 0.7404	0.91674	TAAAAACATTTTTCACAAAATTAATCAGATTTTGTAAAAAATGTTTTGATA
plasmid_lp17	16207	IG 305	**1.595**	± 0.4164	0.02429	**1.918**	± 1.0734	0.19611	**0.907**	± 0.3087	0.65997	**1.103**	± 0.3705	0.37052	TAAATGCATGTTATAATTTTAATATTTGAGAGTGTTTTTAAATGCCTTTTT
plasmid_lp17	16208	IG 306	**1.379**	± 1.2642	0.435378	**1.634**	± 1.5751	0.27232	**1.235**	± 0.8016	0.55421	**1.662**	± 1.2128	0.26314	TATATAAATGCTACAGAACTATCGATAAACAAAAATGGAATTTTTTAAAAA
plasmid_lp17	16396	IG 307	**1.582**	± 0.5425	0.02029	**1.884**	± 0.9099	0.10979	**1.07**	± 0.3543	0.62434	**1.151**	± 0.4146	0.07985	TATAGATAATATACTTATTATTTTTAATTCAAAGCCTAGAAGAGAAAAAAA
plasmid_lp21	247	IG 308	**1.339**	± 1.258	0.252142	**0.399**	± 0.3809	0.3691	**1**	± 0.7892	0.99844	**0.992**	± 0.8962	0.89502	TATATTATGTATAAGTCTGTAAAAGAACAACAAGAAAAAGGAATAGATCAT
plasmid_lp21	425	BB_U01	**1.889**	± 2.1049	0.27337	**1.896**	± 2.8511	0.42915	**1.015**	± 0.973	0.96863	**1.272**	± 1.3156	0.09558	ATATATCAACAATGAAAAAATACTTAAATCAATTAGAAAAAGAAATAAAAA
plasmid_lp21	469	BB_U01	**1.380**	± 1.2019	0.343467	**1.845**	± 2.6158	0.48998	**0.31**	± 0.2475	0.14638	**0.518**	± 0.4518	0.20549	TTTCTTTTTCTAATTGATTTAAGTATTTTTTCATTGTTGATATATTACTAG
plasmid_lp21	593	BB_U01	**2.088**	± 1.7741	0.210832	**0.564**	± 0.7536	0.49787	**1.051**	± 0.9647	0.92528	**1.191**	± 1.1445	0.60025	AATTGTTTTAATTCTTTGTAGAATAATTCTATTAGTTTTAACCAAATTTTT
plasmid_lp21	663	IG 309	**3.856**	± 3.5073	0.248907	**2.383**	± 1.3008	0.16583	**1.232**	± 0.653	0.65681	**1.211**	± 0.6525	0.06812	TATTTCTAAAGTTTTGAATAAGATTATTTTATAATGTATTTACAATTAAGT
plasmid_lp21	755	BB_U02	**3.400**	± 3.7102	0.349131	**1.789**	± 1.693	0.44336	**1.177**	± 0.6449	0.55345	**1.338**	± 0.9156	0.45884	CTCCATCCATAATGAATTAGCCCCCTATTATATTAAATTTATATTACAAAT
plasmid_lp21	886	BB_U02	**2.181**	± 2.782	0.188152	**1.529**	± 2.0334	0.27611	**1.208**	± 1.3154	0.24326	**1.121**	± 1.3903	0.32741	ATTGTAAGTTTTATTTGCACTATAAAGTAATTCTTTATTCATATGATCTAG
plasmid_lp21	889	BB_U02	**2.782**	± 1.3737	0.06447	**1.443**	± 0.868	0.24044	**1.132**	± 0.4162	0.05612	**1.048**	± 0.437	0.02091	TGTCTTAATACAAAACAATTTTAATGAGGCTCTAGCTAAAACTTATCAACT
plasmid_lp21	927	BB_U02	**0.472**	± 0.2612	0.005929	**0.582**	± 0.4813	0.06332	**1.368**	± 0.483	0.12005	**1.086**	± 0.45	0.21505	AAACTTATCAACTTAGGGTTAATTATAAAACCCTATTAGAATATCTTGAAA
plasmid_lp21	948	BB_U02	**5.077**	± 2.9767	0.062349	**2.09**	± 2.2602	0.38761	**3.136**	± 2.4967	0.2299	**1.817**	± 0.79	0.08172	ATTATAAAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAG
plasmid_lp21	954	BB_U02	**2.616**	± 0.3191	0.001673	**1.088**	± 0.3065	0.64186	**0.917**	± 0.2454	0.65471	**0.958**	± 0.2689	0.83864	AAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAGTAATCT

plasmid_lp21	1053	BB_U02	**1.767**	± 2.4911	0.220171	**0.384**	± 0.787	0.28882	**0.246**	± 0.4328	0.45513	**0.761**	± 1.4852	0.31506	CACTCCTTTACCCTTTAGAAGATTGTTGCACTAAAATTTATAATTCTCATC
plasmid_lp21	1110	BB_U02	**0.664**	± 1.2778	0.757973	**0.229**	± 0.4233	0.35332	**1.227**	± 1.7561	0.87154	**1.109**	± 1.4032	0.81221	TTTAAGCTAATATAATCCAGAAAATTATTTTTGCGAAATAGCATAATGCTT
plasmid_lp21	1160	IG 310	**4.391**	± 2.4029	0.131202	**4.251**	± 4.8174	0.36859	**1.767**	± 0.9416	0.32986	**1.637**	± 1.2178	0.48226	AAGCATTATGCTATTTCGCAAAAATAATTTTCTGGATTATATTAGCTTAAA
plasmid_lp21	1163	IG 311	**1.854**	± 0.114	0.000215	**0.589**	± 0.215	0.09239	**1.248**	± 1.0367	0.71332	**0.875**	± 0.576	0.7177	GAGTATTAAAGGCCTAATAAAGAACAATTAAAACTAAAAAATATATAAATA
plasmid_lp21	1179	IG 312	**1.003**	± 0.2651	0.971728	**1.437**	± 0.3418	0.03373	**0.614**	± 0.2233	0.00241	**0.705**	± 0.296	0.38146	TTAGGCCTTTAATACTCTAAAGCATTATGCTATTTCGCAAAAATAATTTTC
plasmid_lp21	1207	IG 313	**1.200**	± 1.4533	0.146389	**0.734**	± 0.8296	0.72574	**0.927**	± 1.1505	0.93654	**0.152**	± 0.1994	0.29865	TATATTTTTTAGTTTTAATTGTTCTTTATTAGGCCTTTAATACTCTAAAGC
plasmid_lp21	1238	IG 314	**2.706**	± 2.3247	0.14538	**1.593**	± 1.5327	0.29658	**1.303**	± 0.8611	0.46673	**1.211**	± 0.9741	0.32021	ACATTAATTTTCCTAATTTACGGTTTATTTATATATTTTTTAGTTTTAATT
plasmid_lp21	2677	IG 315	**3.967**	± 4.633	0.254889	**0.969**	± 1.2551	0.97827	**1.063**	± 1.2172	0.94861	**0.558**	± 0.7399	0.49865	TGTCTATTGTTCTAAATTCGGCTATTTCATGTTTTAAGCATGATAATTTTT
plasmid_lp21	2680	IG 316	**3.749**	± 2.1781	0.064614	**2.218**	± 1.9904	0.27663	**1.499**	± 0.7267	0.06809	**1.309**	± 0.7615	0.31121	TATACTTTATAGTAAAAAGTATCATAAATAAGAATACTTTATAAAATGGAT
plasmid_lp21	3307	BB_U05	**1.398**	± 1.2447	0.227603	**2.192**	± 2.2681	0.30182	**1.502**	± 1.173	0.1563	**0.7**	± 0.7923	0.48815	ATATGGTCTGTAATATTTAAGGCATTTTTAACCAAAAAATCTCTATGAGGA
plasmid_lp21	3643	BB_U05	**2.000**	± 0.8656	0.019365	**1.449**	± 0.8566	0.29541	**0.864**	± 0.3502	0.44017	**1.266**	± 0.4984	0.39818	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	3652	BB_U05	**2.327**	± 2.6026	0.069335	**1.691**	± 2.0553	0.09818	**1.277**	± 1.3703	0.47345	**1.11**	± 1.3609	0.298	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	3679	IG 317	**2.793**	± 0.8336	0.007617	**1.132**	± 0.688	0.79011	**1.168**	± 0.3516	0.27962	**0.864**	± 0.5496	0.79061	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTT
plasmid_lp21	3715	IG 318	**0.555**	± 0.3754	0.398419	**0.563**	± 0.4309	0.43913	**1.005**	± 0.5136	0.98119	**0.979**	± 0.5657	0.80884	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	3740	IG 319	**1.360**	± 0.1268	0.004951	**0.924**	± 0.2399	0.47332	**1.12**	± 0.2328	0.26845	**1.049**	± 0.5174	0.86714	CACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTTAT
plasmid_lp21	3742	IG 320	**2.244**	± 1.2855	0.089728	**1.327**	± 0.5896	0.00716	**1.395**	± 0.4956	0.12551	**1.031**	± 0.5352	0.91668	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTT
plasmid_lp21	3776	IG 321	**0.626**	± 0.4865	0.536592	**0.545**	± 0.458	0.47364	**0.952**	± 0.6202	0.77688	**0.902**	± 0.6884	0.6389	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	3791	IG 322	**2.032**	± 0.3028	0.014341	**1.335**	± 0.2296	0.02473	**1.069**	± 0.2569	0.43501	**1.174**	± 0.1679	0.22447	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	3801	IG 323	**1.954**	± 0.4115	0.032543	**0.961**	± 0.2558	0.85477	**1.217**	± 0.5222	0.4787	**1.132**	± 0.4117	0.67993	CACTCCAAAACTAAACCACTTTTACTAATTCTTTATAAAATATTTATTTTT
plasmid_lp21	3803	IG 324	**1.845**	± 0.921	0.123282	**1.245**	± 0.5252	0.18316	**1.142**	± 0.5269	0.32586	**0.914**	± 0.3508	0.47813	TACACTCCAAAACTAAACCACTTTTACTAATTCTTTATAAAATATTTATTT
plasmid_lp21	3813	IG 325	**2.781**	± 0.946	0.002116	**1.907**	± 0.6625	0.09517	**0.913**	± 0.2946	0.68232	**0.828**	± 0.3222	0.52907	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	3828	IG 326	**1.931**	± 0.5924	0.015523	**1.127**	± 0.5283	0.46759	**0.861**	± 0.3195	0.04595	**0.957**	± 0.2426	0.58966	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	3834	IG 327	**2.744**	± 2.0565	0.276886	**1.067**	± 0.7041	0.88992	**0.871**	± 0.3761	0.71473	**1.069**	± 0.3472	0.55563	TTCTTTATAAAATATTTATTTATATGATTTATACACTCCAAAACTAAACCA
plasmid_lp21	3864	IG 328	**2.823**	± 0.7681	0.014777	**1.604**	± 0.8556	0.23809	**1.155**	± 0.3313	0.1252	**1.074**	± 0.4248	0.7916	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	3867	IG 329	**1.085**	± 0.5238	0.818951	**0.584**	± 0.385	0.27843	**0.98**	± 0.5279	0.95847	**1.035**	± 0.3459	0.86149	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	3901	IG 330	**2.975**	± 0.8937	0.054467	**1.905**	± 0.666	0.16717	**1.636**	± 0.6436	0.12198	**1.757**	± 0.7032	0.12032	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	3912	IG 331	**2.894**	± 1.2948	0.050331	**1.309**	± 0.4785	0.04175	**1.401**	± 0.7193	0.44401	**1.451**	± 0.7244	0.14501	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	3925	IG 332	**3.590**	± 3.891	0.130364	**1.887**	± 2.673	0.38558	**1.112**	± 1.2734	0.56949	**1.285**	± 1.8518	0.57016	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	3929	IG 333	**2.355**	± 0.5312	0.020289	**1.461**	± 0.949	0.49908	**0.824**	± 0.1692	0.36552	**1.112**	± 0.2365	0.5961	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	3942	IG 334	**1.744**	± 1.142	0.154728	**0.576**	± 0.4546	0.50009	**0.929**	± 0.769	0.86452	**1.393**	± 1.0155	0.21646	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	3946	IG 335	**2.488**	± 2.8598	0.294742	**1.482**	± 1.76	0.4592	**0.947**	± 0.7779	0.70365	**0.888**	± 0.9607	0.42418	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	3954	IG 336	**1.780**	± 0.753	0.054889	**1.153**	± 0.5259	0.26819	**0.873**	± 0.3873	0.0826	**0.976**	± 0.3509	0.56263	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	3990	IG 337	**2.924**	± 0.9462	0.0022	**1.402**	± 0.8283	0.23902	**1.034**	± 0.3366	0.85409	**1.246**	± 0.6878	0.5109	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTT
plasmid_lp21	3993	IG 338	**1.041**	± 0.562	0.852668	**0.562**	± 0.3848	0.32791	**0.87**	± 0.5302	0.63771	**0.874**	± 0.3758	0.434	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4027	IG 339	**3.452**	± 0.6223	0.004106	**2.132**	± 0.3827	0.02655	**1.754**	± 0.6005	0.14865	**1.661**	± 0.5231	0.15826	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	4038	IG 340	**3.172**	± 2.1568	0.046691	**1.337**	± 0.837	0.15284	**1.355**	± 0.9786	0.45369	**1.344**	± 1.1018	0.13468	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4051	IG 341	**2.718**	± 3.6077	0.075503	**1.427**	± 2.488	0.4589	**1.115**	± 1.5079	0.74322	**1.124**	± 1.8682	0.52794	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	4055	IG 342	**2.661**	± 1.2102	0.071904	**1.586**	± 0.9987	0.3969	**0.803**	± 0.3596	0.23605	**1.111**	± 0.4549	0.70935	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4065	IG 343	**5.680**	± 1.8522	0.008917	**2.378**	± 0.8652	0.03146	**1.501**	± 0.6645	0.20159	**1.873**	± 0.6552	0.10225	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	4067	IG 344	**2.494**	± 1.1891	0.151136	**1.363**	± 0.4636	0.30548	**1.305**	± 0.3923	0.31403	**1.242**	± 0.6097	0.58965	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	4068	IG 345	**1.470**	± 0.7153	0.318856	**0.455**	± 0.2679	0.22717	**0.932**	± 0.53	0.85503	**1.289**	± 0.6138	0.03512	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	4079	IG 346	**3.433**	± 2.5054	0.193814	**1.515**	± 0.8437	0.46035	**1.929**	± 1.3316	0.21273	**1.466**	± 0.9086	0.52598	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	4089	IG 347	**0.557**	± 0.3456	0.357884	**0.544**	± 0.3806	0.37294	**1.034**	± 0.485	0.78176	**1.046**	± 0.5909	0.64449	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	4114	IG 348	**1.986**	± 0.6195	0.015546	**1.169**	± 0.5005	0.3955	**1.038**	± 0.3361	0.47822	**1.155**	± 0.4091	0.52979	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	4116	IG 349	**1.767**	± 0.6199	0.015188	**1.282**	± 0.6699	0.25799	**1.167**	± 0.3847	0.37636	**0.983**	± 0.4311	0.92288	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4117	IG 350	**1.097**	± 0.6842	0.758252	**0.581**	± 0.399	0.35998	**0.946**	± 0.4847	0.84762	**1.083**	± 0.4952	0.77957	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4128	IG 351	**2.967**	± 1.5945	0.159615	**1.885**	± 0.8262	0.18941	**1.216**	± 0.6354	0.59438	**1.265**	± 0.6327	0.52836	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	4150	IG 352	**0.530**	± 0.3864	0.420371	**0.489**	± 0.4271	0.42665	**0.963**	± 0.7015	0.72022	**0.77**	± 0.6413	0.30996	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	4162	IG 353	**2.711**	± 1.3403	0.037268	**1.256**	± 0.4849	0.23871	**1.215**	± 0.689	0.54261	**1.209**	± 0.5406	0.25133	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC

plasmid_lp21	4165	IG 354	**2.323**	± 0.3404	0.011736	**1.412**	± 0.2838	0.01225	**1.217**	± 0.2184	0.18346	**1.141**	± 0.1587	0.2374	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	4175	IG 355	**1.608**	± 0.3345	0.025615	**1.028**	± 0.1874	0.77133	**1.083**	± 0.2577	0.37959	**1.031**	± 0.3738	0.88762	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	4177	IG 356	**1.960**	± 0.8173	0.017354	**1.44**	± 0.7082	0.06373	**1.289**	± 0.4903	0.25653	**1.1**	± 0.5459	0.58727	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4187	IG 357	**5.401**	± 2.7944	0.003759	**2.187**	± 1.169	0.01272	**1.349**	± 0.8621	0.47186	**1.447**	± 0.7118	0.30716	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	4189	IG 358	**2.595**	± 1.1844	0.148495	**1.391**	± 0.6896	0.45072	**0.998**	± 0.5666	0.99729	**1.324**	± 0.5318	0.43252	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	4211	IG 359	**0.501**	± 0.3254	0.306169	**0.535**	± 0.3633	0.35383	**0.972**	± 0.449	0.75936	**1.03**	± 0.5783	0.65805	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	4236	IG 360	**2.112**	± 0.6014	0.041403	**1.234**	± 0.4544	0.39639	**1.042**	± 0.3112	0.47561	**1.172**	± 0.4057	0.53883	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	4238	IG 361	**1.806**	± 0.8338	0.011159	**1.344**	± 0.6734	0.02396	**1.094**	± 0.4558	0.7122	**1.039**	± 0.5559	0.84067	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4239	IG 362	**1.283**	± 0.7012	0.475634	**0.553**	± 0.4085	0.35509	**0.983**	± 0.4081	0.94647	**0.941**	± 0.4491	0.84642	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4269	IG 363	**2.593**	± 1.6473	0.017326	**2.045**	± 1.8404	0.19895	**0.515**	± 0.3486	0.30806	**0.888**	± 0.7332	0.74795	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATA
plasmid_lp21	4284	IG 364	**2.793**	± 1.4439	0.013777	**1.219**	± 0.6115	0.3599	**0.983**	± 0.5337	0.96627	**1.03**	± 0.6471	0.85773	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4301	IG 365	**1.390**	± 0.6583	0.271274	**1.247**	± 0.5563	0.10753	**1.308**	± 0.8441	0.58822	**1.571**	± 1.1101	0.31037	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4302	IG 366	**1.118**	± 0.6252	0.706066	**0.508**	± 0.3544	0.25782	**1.024**	± 0.5324	0.94389	**1.032**	± 0.4018	0.8702	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4326	IG 367	**1.853**	± 0.5514	0.042604	**1.132**	± 0.5538	0.59871	**0.83**	± 0.2066	0.13023	**0.983**	± 0.248	0.49735	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4362	IG 368	**3.276**	± 0.742	0.010867	**1.756**	± 0.9598	0.22309	**1.35**	± 0.2647	0.01449	**1.143**	± 0.4397	0.61429	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4365	IG 369	**1.267**	± 0.8267	0.347072	**0.657**	± 0.5165	0.54308	**1.053**	± 0.5613	0.77106	**1.182**	± 0.5101	0.08942	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4376	IG 370	**2.636**	± 1.3641	0.078833	**1.72**	± 0.6025	0.04435	**1.009**	± 0.5849	0.9652	**1.223**	± 0.4337	0.40811	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	4398	IG 371	**0.539**	± 0.3166	0.320199	**0.565**	± 0.4041	0.40024	**0.996**	± 0.4553	0.97074	**1.027**	± 0.5314	0.5543	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	4399	IG 372	**2.632**	± 0.8271	0.027554	**1.723**	± 0.7121	0.25825	**1.663**	± 1.1213	0.35001	**1.74**	± 0.4804	0.11801	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	4410	IG 373	**2.785**	± 1.6003	0.004688	**1.356**	± 0.7717	0.43291	**1.338**	± 0.8049	0.44297	**1.338**	± 0.9476	0.04807	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4423	IG 374	**1.589**	± 0.1522	0.012421	**0.987**	± 0.1584	0.89715	**0.977**	± 0.1777	0.81328	**1.026**	± 0.3128	0.89506	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	4425	IG 375	**1.757**	± 0.8297	0.017611	**1.249**	± 0.6796	0.08459	**1.135**	± 0.4915	0.61293	**0.936**	± 0.4802	0.67947	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4426	IG 376	**1.315**	± 0.9747	0.534728	**0.689**	± 0.6156	0.59978	**1.091**	± 0.6452	0.79604	**1.207**	± 0.6839	0.43727	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4450	IG 377	**1.886**	± 0.8902	0.040632	**1.088**	± 0.7179	0.65349	**0.901**	± 0.3594	0.34362	**0.95**	± 0.3776	0.57603	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4471	IG 378	**2.553**	± 1.33	0.052878	**1.093**	± 0.5704	0.47446	**1.055**	± 0.6401	0.69936	**1.106**	± 0.5956	0.71909	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4486	IG 379	**2.822**	± 0.826	0.021155	**1.608**	± 0.9729	0.27985	**1.203**	± 0.2838	0.23965	**1.099**	± 0.4657	0.76838	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4489	IG 380	**1.078**	± 0.5066	0.756306	**0.554**	± 0.4557	0.35363	**0.985**	± 0.5396	0.97094	**0.907**	± 0.3384	0.73963	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4522	IG 381	**3.631**	± 1.1063	0.043205	**1.834**	± 0.8695	0.24409	**1.656**	± 1.4053	0.46739	**1.713**	± 1.1131	0.42206	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	4523	IG 382	**2.053**	± 0.7132	0.041181	**1.285**	± 0.3966	0.00355	**0.929**	± 0.52	0.8692	**1.134**	± 0.4702	0.61545	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	4534	IG 383	**3.507**	± 2.7038	0.039492	**1.569**	± 1.1276	0.12733	**1.661**	± 1.4623	0.37965	**1.472**	± 1.3145	0.08788	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4547	IG 384	**2.544**	± 2.8516	0.139437	**1.544**	± 2.2261	0.45384	**1.094**	± 1.2073	0.66175	**1.141**	± 1.5907	0.65129	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	4551	IG 385	**2.668**	± 1.1816	0.036123	**1.66**	± 1.2902	0.36079	**0.829**	± 0.2612	0.45888	**1.308**	± 0.463	0.41914	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4552	IG 386	**1.236**	± 0.7313	0.499722	**0.632**	± 0.3495	0.37221	**1.028**	± 0.5347	0.92201	**1.1**	± 0.4453	0.64194	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4582	IG 387	**2.092**	± 1.4782	0.048174	**1.831**	± 1.823	0.3044	**0.724**	± 0.392	0.45692	**0.688**	± 0.4488	0.37375	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATAAATAAAT
plasmid_lp21	4586	IG 388	**4.009**	± 3.0837	0.023938	**2.753**	± 2.7866	0.16801	**1.605**	± 1.2337	0.44174	**1.537**	± 1.3215	0.02674	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	4614	IG 389	**1.681**	± 0.8572	0.263254	**1.223**	± 0.3948	0.28385	**1.205**	± 0.6623	0.61973	**1.856**	± 1.1092	0.22938	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4624	IG 390	**2.883**	± 1.6207	0.015542	**1.819**	± 1.1412	0.23432	**0.992**	± 0.5458	0.98673	**0.731**	± 0.5282	0.58404	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	4636	IG 391	**1.256**	± 0.8145	0.614689	**1.387**	± 0.6247	0.25186	**1.251**	± 0.6226	0.49971	**1.715**	± 1.3855	0.40887	AAATATTTATTTATATGATTTATGTAGTCCAGTAAACTAAACCACTTTTAC
plasmid_lp21	4639	IG 392	**2.220**	± 0.7409	0.064041	**1.319**	± 0.6287	0.37907	**1.019**	± 0.2787	0.91292	**1.017**	± 0.3088	0.90061	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4675	IG 393	**2.742**	± 0.756	0.005847	**1.494**	± 0.8849	0.28705	**1.123**	± 0.3619	0.54128	**1.015**	± 0.412	0.94229	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4678	IG 394	**1.166**	± 0.7083	0.536433	**0.713**	± 0.4693	0.54353	**1.083**	± 0.6829	0.8323	**1.121**	± 0.4946	0.58908	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4702	IG 395	**2.035**	± 0.689	0.016713	**1.155**	± 0.5691	0.37678	**0.968**	± 0.4421	0.73633	**1.014**	± 0.3566	0.90944	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4712	IG 396	**2.405**	± 0.8789	0.067062	**1.5**	± 0.8037	0.21111	**1.067**	± 0.7182	0.89886	**1.514**	± 0.5153	0.01791	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	4723	IG 397	**2.702**	± 2.1911	0.060226	**1.245**	± 0.8674	0.48136	**1.536**	± 1.1454	0.13526	**1.099**	± 0.8055	0.73611	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4738	IG 398	**2.854**	± 0.6622	0.016743	**1.656**	± 0.9163	0.27786	**1.112**	± 0.2879	0.05565	**1.071**	± 0.3391	0.74237	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4740	IG 399	**1.472**	± 0.8779	0.489847	**1.173**	± 0.3653	0.50547	**1.104**	± 1.0111	0.81999	**0.92**	± 0.5625	0.87636	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4741	IG 400	**1.072**	± 0.5842	0.668494	**0.478**	± 0.3522	0.2946	**1.026**	± 0.5784	0.94587	**1.167**	± 0.4321	0.53084	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4765	IG 401	**1.961**	± 0.7813	0.060709	**1.262**	± 0.695	0.40693	**1.119**	± 0.3835	0.31719	**1.065**	± 0.4852	0.74267	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4775	IG 402	**2.509**	± 0.5128	0.036791	**1.831**	± 0.3173	0.02656	**1.224**	± 0.7556	0.5847	**1.291**	± 0.3244	0.22118	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT

plasmid_lp21	4786	IG 403	**2.560**	± 1.8493	0.001155	**1.3**	± 0.886	0.456	**1.175**	± 0.8976	0.72752	**1.033**	± 0.9032	0.78336	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4801	IG 404	**2.915**	± 0.5189	0.003682	**1.65**	± 0.8162	0.24487	**1.191**	± 0.298	0.11625	**1.156**	± 0.4317	0.6141	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4804	IG 405	**1.236**	± 0.7723	0.507286	**0.576**	± 0.4479	0.36826	**0.936**	± 0.4765	0.78602	**1.04**	± 0.3061	0.71325	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4815	IG 406	**2.513**	± 1.3139	0.149255	**1.327**	± 0.4784	0.29526	**1.021**	± 0.4589	0.9238	**1.32**	± 0.4727	0.19787	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	4837	IG 407	**0.534**	± 0.3517	0.355609	**0.53**	± 0.3824	0.37442	**0.984**	± 0.4416	0.93381	**1.046**	± 0.5961	0.43224	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	4849	IG 408	**2.187**	± 1.3409	0.022532	**0.941**	± 0.5159	0.76136	**0.954**	± 0.6793	0.90504	**0.913**	± 0.5089	0.65879	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4862	IG 409	**1.584**	± 0.3259	0.02675	**1.009**	± 0.1946	0.9382	**0.999**	± 0.1985	0.98696	**1.043**	± 0.3133	0.75824	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	4864	IG 410	**1.898**	± 0.7533	0.013978	**1.391**	± 0.728	0.11164	**1.257**	± 0.4956	0.26565	**1.054**	± 0.5173	0.69196	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4865	IG 411	**1.198**	± 0.5315	0.444849	**0.641**	± 0.4875	0.43043	**0.888**	± 0.4601	0.72515	**1.072**	± 0.4361	0.78681	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	4889	IG 412	**2.187**	± 1.1075	0.050128	**1.212**	± 0.5829	0.13811	**0.98**	± 0.4449	0.8749	**1.097**	± 0.4689	0.30715	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	4910	IG 413	**2.946**	± 1.4315	0.034499	**1.311**	± 0.5738	0.00825	**1.371**	± 0.6684	0.44508	**1.111**	± 0.7877	0.62008	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	4925	IG 414	**2.677**	± 0.6911	0.015106	**1.539**	± 0.8211	0.26955	**1.204**	± 0.3067	0.06851	**1.046**	± 0.4749	0.88892	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	4927	IG 415	**1.747**	± 0.4995	0.053965	**0.91**	± 0.5089	0.83411	**0.815**	± 0.5453	0.29698	**0.571**	± 0.2152	0.02726	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	4989	IG 416	**2.763**	± 1.0129	0.084599	**1.572**	± 0.7177	0.36043	**0.786**	± 0.3108	0.23254	**1.504**	± 0.6401	0.33106	CATAAATCATATAAATAGATATTTTATAAATAATAAGTAAAAGTGGTTTAG
plasmid_lp21	4990	IG 417	**2.820**	± 0.8032	0.001619	**1.586**	± 0.6153	0.03982	**1.231**	± 0.4436	0.39286	**1.251**	± 0.3991	0.08748	TGTAGTCCACTAAACTAAACCACTTTTACTTATTATTTATGAAATATTTAT
plasmid_lp21	5003	IG 418	**1.730**	± 1.2271	0.450058	**0.742**	± 0.3147	0.4014	**1.791**	± 2.0398	0.5884	**2.252**	± 1.8602	0.33619	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTATTT
plasmid_lp21	5006	IG 419	**2.709**	± 0.4216	0.019302	**1.723**	± 0.97	0.35551	**1.032**	± 0.1876	0.83203	**0.942**	± 0.2957	0.80857	GATATTTTATAAATAATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAA
plasmid_lp21	5007	IG 420	**2.465**	± 2.7587	0.263539	**1.512**	± 1.8528	0.4512	**0.997**	± 0.8255	0.98889	**0.987**	± 1.0621	0.93476	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	5021	IG 421	**2.241**	± 1.3362	0.001003	**1.618**	± 1.3027	0.26669	**0.614**	± 0.357	0.35995	**0.796**	± 0.6934	0.63106	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAAAAATAAAT
plasmid_lp21	5084	IG 422	**2.089**	± 1.3815	0.040255	**2.088**	± 1.808	0.20791	**0.542**	± 0.3557	0.37173	**0.777**	± 0.6533	0.581	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAAA
plasmid_lp21	5179	IG 423	**2.966**	± 1.1596	0.038888	**1.681**	± 0.9807	0.28132	**1.239**	± 0.35	0.30467	**1.197**	± 0.3556	0.38028	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTAT
plasmid_lp21	5192	IG 424	**1.805**	± 1.1735	0.27593	**0.622**	± 0.4002	0.47598	**1.138**	± 0.7408	0.67399	**1.199**	± 0.7031	0.21492	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	5199	IG 425	**3.578**	± 2.3084	0.109101	**1.734**	± 1.6546	0.36613	**1.365**	± 0.6673	0.05447	**1.216**	± 0.664	0.26627	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	5203	IG 426	**3.237**	± 1.9371	0.154544	**1.305**	± 0.4478	0.38107	**2.032**	± 1.0994	0.1756	**1.219**	± 0.5215	0.54366	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	5240	IG 427	**2.789**	± 1.7555	0.098152	**1.897**	± 1.7668	0.30785	**1.054**	± 0.6804	0.65157	**1.079**	± 0.9119	0.85147	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5249	IG 428	**1.376**	± 1.0786	0.592478	**0.364**	± 0.3508	0.32486	**1.162**	± 0.8835	0.51582	**0.803**	± 0.6736	0.30596	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	5251	IG 429	**2.489**	± 1.5694	0.14508	**1.385**	± 1.1417	0.6015	**1.107**	± 0.5028	0.36171	**1.022**	± 0.5156	0.94099	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	5252	IG 430	**4.640**	± 1.677	0.00075	**1.983**	± 0.7562	0.00824	**1.175**	± 0.655	0.66721	**1.391**	± 0.5333	0.2791	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	5254	IG 431	**2.249**	± 1.0098	0.134945	**1.417**	± 0.4469	0.25654	**0.989**	± 0.6661	0.98146	**1.069**	± 0.3149	0.79615	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	5259	IG 432	**3.472**	± 3.6499	0.35177	**2.666**	± 1.7979	0.02647	**0.457**	± 0.3681	0.12694	**0.593**	± 0.4179	0.34801	TTTATTTATATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	5276	IG 433	**0.509**	± 0.3148	0.306584	**0.575**	± 0.4388	0.43615	**0.948**	± 0.4284	0.71258	**1.031**	± 0.572	0.75583	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	5277	IG 434	**2.221**	± 1.239	0.143097	**1.749**	± 1.2446	0.1708	**1.276**	± 0.7703	0.62045	**1.137**	± 0.9018	0.67109	CTTATTCTTTATAAAATATTTATTTATATGATTTATACACTCCACTAAACT
plasmid_lp21	5301	IG 435	**2.238**	± 0.6737	0.035143	**1.266**	± 0.4391	0.22219	**1.143**	± 0.313	0.1001	**1.182**	± 0.4935	0.50378	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	5303	IG 436	**1.817**	± 0.7394	0.011742	**1.36**	± 0.7034	0.109	**1.199**	± 0.4956	0.48157	**1.082**	± 0.491	0.6628	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5304	IG 437	**1.133**	± 0.5852	0.272008	**0.567**	± 0.4143	0.39993	**1.04**	± 0.6544	0.90291	**0.926**	± 0.439	0.41375	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	5328	IG 438	**2.053**	± 0.9062	0.058968	**1.239**	± 0.5891	0.17891	**0.959**	± 0.3577	0.56776	**1.054**	± 0.4346	0.10148	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	5349	IG 439	**2.685**	± 1.4357	0.047279	**1.156**	± 0.5422	0.40386	**1.251**	± 0.7108	0.44191	**1.024**	± 0.8961	0.94148	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	5364	IG 440	**2.725**	± 0.5375	0.017757	**1.582**	± 0.9127	0.33386	**1.121**	± 0.1835	0.1941	**1.021**	± 0.458	0.94427	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5369	IG 441	**2.675**	± 1.8931	0.113578	**2.839**	± 2.7424	0.29003	**1.551**	± 1.6724	0.50859	**1.533**	± 1.1578	0.53421	AATCATAAAAATAAATATTTCATAAATAATAAGTAAAAGTGGTTTAGTTTT
plasmid_lp21	5400	IG 442	**0.532**	± 0.3361	0.329837	**0.547**	± 0.376	0.36683	**0.955**	± 0.4232	0.74299	**1.074**	± 0.5816	0.20793	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	5425	IG 443	**1.649**	± 0.4778	0.073324	**0.861**	± 0.2302	0.12273	**1.041**	± 0.4116	0.82974	**1.253**	± 0.4653	0.32383	CACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTTTT
plasmid_lp21	5427	IG 444	**1.955**	± 1.2629	0.008999	**1.257**	± 0.7794	0.56154	**1.259**	± 0.8842	0.38391	**1.085**	± 0.7627	0.86339	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTT
plasmid_lp21	5428	IG 445	**1.091**	± 0.7342	0.784522	**0.603**	± 0.413	0.34674	**1.031**	± 0.6029	0.93324	**0.999**	± 0.601	0.99661	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	5452	IG 446	**2.147**	± 0.8981	0.046398	**1.296**	± 0.7009	0.23794	**0.999**	± 0.3801	0.99579	**1.032**	± 0.3765	0.74996	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	5473	IG 447	**3.094**	± 2.1048	0.045636	**1.125**	± 0.7874	0.4365	**1.34**	± 0.9339	0.4312	**1.232**	± 1.0421	0.19154	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	5488	IG 448	**3.213**	± 0.6962	0.008797	**1.66**	± 0.7303	0.17014	**1.224**	± 0.2368	0.17313	**1.028**	± 0.2988	0.83237	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5490	IG 449	**1.681**	± 0.5316	0.063006	**0.879**	± 0.326	0.57968	**0.817**	± 0.3473	0.04747	**0.844**	± 0.2987	0.58464	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	5491	IG 450	**1.258**	± 0.7691	0.523241	**0.628**	± 0.4807	0.42572	**1.136**	± 0.6428	0.75779	**0.935**	± 0.4282	0.81952	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	5502	IG 451	**2.920**	± 1.8416	0.176895	**1.715**	± 0.6887	0.21319	**0.918**	± 0.3287	0.65655	**1.245**	± 0.5256	0.54543	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT

plasmid_lp21	5524	IG 452	**0.522**	± 0.3507	0.350876	**0.556**	± 0.4061	0.41041	**0.987**	± 0.4718	0.94505	**1.037**	± 0.5806	0.39107	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	5536	IG 453	**2.316**	± 1.2151	0.035621	**1.02**	± 0.4193	0.92307	**1.105**	± 0.5639	0.69713	**0.979**	± 0.7099	0.90074	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	5549	IG 454	**1.675**	± 0.3708	0.054674	**1.002**	± 0.241	0.98975	**1.017**	± 0.208	0.84805	**1.068**	± 0.3382	0.73663	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	5551	IG 455	**1.875**	± 0.7684	0.020405	**1.348**	± 0.6738	0.06008	**1.212**	± 0.5053	0.28802	**0.968**	± 0.5027	0.83767	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5552	IG 456	**1.263**	± 0.8649	0.460936	**0.585**	± 0.4631	0.4656	**1.092**	± 0.8273	0.82383	**1.142**	± 0.6156	0.6309	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	5576	IG 457	**1.994**	± 0.4969	0.031935	**1.117**	± 0.5378	0.66113	**0.996**	± 0.2239	0.93888	**1.063**	± 0.2456	0.33308	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	5597	IG 458	**2.790**	± 1.5675	0.048263	**1.046**	± 0.4269	0.8487	**1.121**	± 0.576	0.70077	**0.936**	± 0.7102	0.65472	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	5612	IG 459	**2.799**	± 0.8757	0.004112	**1.693**	± 1.0061	0.19254	**1.14**	± 0.3507	0.40877	**1.026**	± 0.4885	0.92811	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5614	IG 460	**1.233**	± 0.3867	0.15054	**1.098**	± 0.5055	0.82145	**1.23**	± 0.8401	0.5473	**0.612**	± 0.1858	0.18469	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	5676	IG 461	**2.911**	± 1.0252	0.071896	**1.776**	± 0.8975	0.31775	**0.862**	± 0.2204	0.44267	**1.407**	± 0.5523	0.33199	CATAAATCATATAAATAGATATTTTATAAATAATAAGTAAAAGTGGTTTAG
plasmid_lp21	5677	IG 462	**2.757**	± 0.7514	0.001258	**1.589**	± 0.6285	0.05803	**1.235**	± 0.4173	0.32059	**1.236**	± 0.3842	0.06441	TGTAGTCCACTAAACTAAACCACTTTTACTTATTATTTATGAAATATTTAT
plasmid_lp21	5693	IG 463	**2.658**	± 0.4805	0.027533	**1.689**	± 0.9761	0.37616	**1.016**	± 0.2379	0.93224	**0.888**	± 0.2641	0.6349	GATATTTTATAAATAATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAA
plasmid_lp21	5694	IG 464	**2.253**	± 2.4388	0.305426	**1.436**	± 1.6116	0.4853	**0.909**	± 0.6781	0.56729	**0.902**	± 0.8683	0.50143	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	5708	IG 465	**1.918**	± 1.5294	0.013547	**1.67**	± 1.5185	0.09263	**0.454**	± 0.3677	0.39709	**0.748**	± 0.6969	0.43475	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAAAAATAAAT
plasmid_lp21	5866	IG 466	**3.153**	± 0.8417	0.046	**1.69**	± 0.7125	0.26356	**1.129**	± 0.1724	0.38939	**1.6**	± 0.2961	0.0293	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTAT
plasmid_lp21	5879	IG 467	**1.532**	± 0.9413	0.364235	**0.628**	± 0.3671	0.44716	**0.865**	± 0.6106	0.7145	**1.142**	± 0.6337	0.34704	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	5886	IG 468	**3.493**	± 2.003	0.106957	**1.969**	± 1.5593	0.28909	**1.362**	± 0.8049	0.42126	**1.568**	± 0.9472	0.28695	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	5890	IG 469	**3.635**	± 2.2015	0.166136	**1.686**	± 0.5714	0.21293	**1.919**	± 0.9509	0.16754	**1.462**	± 0.5119	0.31117	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	5927	IG 470	**2.543**	± 1.5176	0.106413	**1.621**	± 1.5977	0.44012	**0.949**	± 0.6228	0.85785	**0.781**	± 0.6108	0.35655	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5936	IG 471	**1.193**	± 0.9108	0.742445	**0.33**	± 0.3167	0.28877	**1.068**	± 0.7562	0.80713	**0.673**	± 0.5351	0.13919	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	5938	IG 472	**3.182**	± 1.9275	0.102144	**1.418**	± 1.113	0.53959	**1.381**	± 0.6482	0.1882	**1.123**	± 0.665	0.71273	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	5939	IG 473	**4.788**	± 1.7633	0.000788	**1.989**	± 0.8339	0.00476	**1.169**	± 0.5311	0.35566	**1.302**	± 0.5589	0.44936	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	5941	IG 474	**2.295**	± 1.3381	0.097428	**1.499**	± 0.6716	0.02845	**0.926**	± 0.3797	0.58206	**1.309**	± 0.6509	0.42853	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	5946	IG 475	**3.192**	± 3.1082	0.333574	**2.857**	± 2.1563	0.0566	**0.502**	± 0.4078	0.13884	**0.574**	± 0.3611	0.3467	TTTATTTATATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	5963	IG 476	**0.515**	± 0.3344	0.325996	**0.533**	± 0.3948	0.37634	**0.976**	± 0.4501	0.8564	**1**	± 0.5912	0.99575	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	5964	IG 477	**2.174**	± 1.1814	0.129111	**1.701**	± 1.3394	0.26511	**1.251**	± 0.6724	0.58594	**1.141**	± 0.8306	0.67662	CTTATTCTTTATAAAATATTTATTTATATGATTTATACACTCCACTAAACT
plasmid_lp21	5988	IG 478	**2.130**	± 0.7157	0.016094	**1.316**	± 0.5554	0.13756	**1.079**	± 0.3962	0.31382	**1.22**	± 0.5296	0.32278	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	5990	IG 479	**1.874**	± 0.7011	0.019344	**1.293**	± 0.6294	0.15544	**1.18**	± 0.4317	0.41439	**1.021**	± 0.4515	0.88447	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	5991	IG 480	**1.510**	± 1.1671	0.21498	**0.582**	± 0.53	0.51841	**1.139**	± 0.7462	0.76239	**1.108**	± 0.6215	0.73767	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6015	IG 481	**1.987**	± 0.778	0.059044	**1.176**	± 0.4157	0.1301	**0.974**	± 0.3025	0.77446	**1.075**	± 0.3097	0.30898	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	6036	IG 482	**2.816**	± 1.2555	0.048436	**1.253**	± 0.5079	0.15297	**1.419**	± 0.7112	0.25482	**1.226**	± 0.7088	0.35782	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6051	IG 483	**2.648**	± 0.8033	0.01752	**1.514**	± 0.8282	0.21504	**1.174**	± 0.3292	0.44228	**1.025**	± 0.3892	0.92791	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6056	IG 484	**2.797**	± 2.0278	0.044559	**3.066**	± 2.9487	0.24749	**1.638**	± 1.8279	0.5046	**1.333**	± 0.9518	0.61649	AATCATAAAAATAAATATTTCATAAATAATAAGTAAAAGTGGTTTAGTTTT
plasmid_lp21	6087	IG 485	**0.527**	± 0.3362	0.332684	**0.531**	± 0.3792	0.36327	**0.961**	± 0.4378	0.77812	**1.045**	± 0.5961	0.6336	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	6112	IG 486	**1.923**	± 0.7186	0.019636	**1.074**	± 0.4967	0.78658	**1.099**	± 0.5207	0.67222	**1.157**	± 0.5699	0.69783	CACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTTTT
plasmid_lp21	6114	IG 487	**2.173**	± 1.2788	0.023331	**1.15**	± 0.8568	0.36615	**1.223**	± 0.7237	0.00601	**1.048**	± 0.6736	0.88595	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTT
plasmid_lp21	6115	IG 488	**1.385**	± 0.6815	0.212079	**0.729**	± 0.5668	0.60132	**1.025**	± 0.5681	0.93833	**1.049**	± 0.4989	0.69159	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6126	IG 489	**2.757**	± 1.2903	0.032693	**1.511**	± 0.6798	0.09695	**1.182**	± 0.7325	0.53402	**1.229**	± 0.7054	0.46803	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6148	IG 490	**0.645**	± 0.4461	0.525103	**0.529**	± 0.4591	0.44983	**0.924**	± 0.5845	0.55109	**0.845**	± 0.6763	0.40597	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	6160	IG 491	**2.412**	± 1.5821	0.000199	**1.055**	± 0.6715	0.85122	**1.099**	± 0.8147	0.80682	**0.965**	± 0.6353	0.88985	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6163	IG 492	**2.033**	± 0.7737	0.019207	**1.361**	± 0.5812	0.18447	**1.142**	± 0.4332	0.27178	**1.024**	± 0.4255	0.94356	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAATAATAAGTAA
plasmid_lp21	6173	IG 493	**1.620**	± 0.3479	0.05725	**1.018**	± 0.1885	0.7719	**1.013**	± 0.2195	0.92324	**1.019**	± 0.317	0.89864	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6175	IG 494	**1.854**	± 0.8262	0.027894	**1.281**	± 0.6915	0.14158	**1.198**	± 0.4658	0.419	**0.97**	± 0.4575	0.87003	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6209	IG 495	**2.116**	± 2.1241	0.072469	**1.518**	± 1.8643	0.24525	**0.982**	± 0.9654	0.97057	**1.169**	± 1.2554	0.35707	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	6221	IG 496	**3.621**	± 2.2438	0.09517	**1.96**	± 1.8946	0.40236	**1.17**	± 0.9134	0.74007	**1.198**	± 0.7882	0.64814	AACCACTTTTACTTATTATTTATAAAATATTTATTTATATGATTTATACAC
plasmid_lp21	6236	IG 497	**3.967**	± 1.4355	0.004086	**1.639**	± 1.1862	0.48551	**1.368**	± 0.4983	0.13626	**1.265**	± 0.6941	0.63453	CACTCCAGTAAACTAAACCACTTTTACTTATTATTTATAAAATATTTATTT
plasmid_lp21	6258	IG 498	**3.952**	± 2.8058	0.108403	**1.932**	± 1.7385	0.24882	**1.692**	± 1.2521	0.16621	**1.561**	± 1.071	0.11189	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	6299	IG 499	**2.822**	± 1.9255	0.098308	**1.709**	± 1.7076	0.37598	**1.079**	± 0.7755	0.72848	**0.883**	± 0.8455	0.72829	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6302	IG 500	**1.317**	± 0.8216	0.228343	**0.636**	± 0.5107	0.51955	**1.168**	± 0.6228	0.55236	**1.256**	± 0.5887	0.39189	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT

plasmid_lp21	6308	IG 501	**1.319**	± 1.1552	0.616645	**0.372**	± 0.3866	0.38906	**1.039**	± 0.9061	0.88485	**0.772**	± 0.7432	0.42219	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	6310	IG 502	**2.829**	± 1.7623	0.08249	**1.457**	± 1.159	0.51071	**1.272**	± 0.7019	0.21725	**1.003**	± 0.52	0.99088	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	6313	IG 503	**2.707**	± 1.3354	0.127507	**1.372**	± 0.2578	0.10205	**1.101**	± 0.7267	0.79796	**1.088**	± 0.3953	0.76292	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6335	IG 504	**0.667**	± 0.4794	0.544796	**0.543**	± 0.4393	0.43993	**1.149**	± 0.6311	0.35262	**0.919**	± 0.7282	0.75544	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	6347	IG 505	**3.070**	± 2.742	0.049844	**1.581**	± 1.2643	0.41085	**1.455**	± 1.1701	0.42446	**0.988**	± 0.8757	0.94072	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6350	IG 506	**2.479**	± 0.4254	0.003041	**1.535**	± 0.3156	0.0124	**1.274**	± 0.374	0.30829	**1.277**	± 0.2609	0.24692	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	6360	IG 507	**1.560**	± 0.2957	0.008604	**0.929**	± 0.2223	0.46367	**1.047**	± 0.2182	0.49757	**1.031**	± 0.3761	0.85882	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6362	IG 508	**1.955**	± 0.7751	0.045793	**1.305**	± 0.6578	0.28541	**1.203**	± 0.4012	0.41023	**1.085**	± 0.5395	0.46259	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6372	IG 509	**4.669**	± 1.9244	0.006198	**2.209**	± 0.9496	0.01106	**1.383**	± 0.6371	0.27534	**1.37**	± 0.5343	0.30953	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	6374	IG 510	**2.764**	± 1.2754	0.071415	**1.63**	± 0.584	0.03532	**1.158**	± 0.5397	0.41947	**1.336**	± 0.5251	0.32912	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6393	IG 511	**2.938**	± 3.1779	0.401687	**1.295**	± 1.2866	0.76876	**0.777**	± 0.4787	0.66269	**0.98**	± 0.5812	0.96681	TTCTTTATAAAATATTTATTTATATGATTTATACACTCCAAAACTAAACCA
plasmid_lp21	6396	IG 512	**0.567**	± 0.4395	0.467359	**0.491**	± 0.4188	0.42118	**1.008**	± 0.6866	0.95443	**0.923**	± 0.7614	0.67307	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	6411	IG 513	**2.198**	± 0.3323	0.025752	**1.469**	± 0.2156	0.05031	**1.264**	± 0.2425	0.04425	**1.345**	± 0.1745	0.0077	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	6421	IG 514	**2.120**	± 0.5822	0.019761	**1.198**	± 0.5635	0.48921	**1.014**	± 0.3029	0.67879	**1.194**	± 0.4249	0.40479	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	6423	IG 515	**1.747**	± 0.6826	0.011299	**1.313**	± 0.7565	0.24442	**1.13**	± 0.4022	0.48207	**0.988**	± 0.4867	0.9538	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6433	IG 516	**2.896**	± 0.7494	0.003744	**1.787**	± 0.6235	0.16484	**1.049**	± 0.3457	0.68404	**0.801**	± 0.2701	0.03892	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	6448	IG 517	**2.109**	± 0.9628	0.022608	**1.248**	± 0.7048	0.24082	**1.019**	± 0.4819	0.84141	**0.994**	± 0.5297	0.92602	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	6454	IG 518	**3.339**	± 3.4854	0.349825	**1.26**	± 1.1033	0.75556	**0.894**	± 0.5552	0.82486	**0.929**	± 0.5163	0.82448	TTCTTTATAAAATATTTATTTATATGATTTATACACTCCAAAACTAAACCA
plasmid_lp21	6484	IG 519	**2.906**	± 0.7569	0.013145	**1.773**	± 0.8775	0.17168	**1.172**	± 0.2147	0.27798	**1.095**	± 0.4734	0.71854	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6487	IG 520	**1.203**	± 0.824	0.487946	**0.556**	± 0.455	0.45263	**1.231**	± 0.7162	0.51215	**1.197**	± 0.6991	0.31327	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6521	IG 521	**2.518**	± 1.3207	0.048459	**1.509**	± 0.8295	0.04196	**1.263**	± 0.6656	0.54514	**1.117**	± 0.5589	0.79917	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	6532	IG 522	**2.731**	± 1.6202	0.05833	**0.89**	± 0.5499	0.33298	**1.508**	± 0.9963	0.34261	**1.126**	± 0.728	0.42024	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6545	IG 523	**2.596**	± 3.2692	0.175238	**1.519**	± 2.3073	0.43796	**0.984**	± 1.184	0.94772	**1.023**	± 1.4348	0.83574	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6549	IG 524	**2.821**	± 0.86	0.046416	**1.721**	± 0.8787	0.31462	**1.006**	± 0.2971	0.96374	**1.36**	± 0.3228	0.14364	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	6562	IG 525	**1.559**	± 0.7769	0.348982	**0.576**	± 0.2093	0.19222	**0.887**	± 0.6395	0.80354	**1.345**	± 0.5793	0.17016	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	6566	IG 526	**2.590**	± 2.9217	0.270756	**1.524**	± 1.8128	0.43288	**0.99**	± 0.7708	0.94983	**0.918**	± 0.9757	0.51916	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	6611	IG 527	**2.696**	± 0.977	0.073499	**1.617**	± 1.0195	0.46382	**0.756**	± 0.301	0.1935	**1.3**	± 0.4934	0.43607	CATAAATCATATAAATAGATATTTTATAAATAATAAGTAAAAGTGGTTTAG
plasmid_lp21	6612	IG 528	**2.369**	± 0.826	0.07989	**1.607**	± 0.851	0.33907	**0.99**	± 0.2812	0.94831	**1.222**	± 0.285	0.32373	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTAT
plasmid_lp21	6624	IG 529	**5.162**	± 4.5372	0.174109	**2.731**	± 3.0444	0.3254	**1.781**	± 1.1462	0.22894	**1.731**	± 0.8904	0.00341	AATAGATATTTTATAAATAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6625	IG 530	**1.720**	± 0.9559	0.261544	**0.596**	± 0.3135	0.34792	**1.009**	± 0.703	0.98604	**1.426**	± 0.7467	0.08173	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	6628	IG 531	**2.254**	± 0.7898	0.040267	**1.544**	± 0.6941	0.10522	**0.955**	± 0.6556	0.84533	**0.578**	± 0.4264	0.34924	GATATTTTATAAATAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTATAAAT
plasmid_lp21	6629	IG 532	**2.361**	± 2.5413	0.295965	**1.459**	± 1.6818	0.49618	**0.875**	± 0.6856	0.40471	**0.872**	± 0.8853	0.42967	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	6646	IG 533	**0.529**	± 0.3449	0.345792	**0.566**	± 0.413	0.41688	**0.938**	± 0.4357	0.7428	**0.974**	± 0.5205	0.41203	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	6671	IG 534	**1.887**	± 0.5502	0.117472	**0.86**	± 0.2717	0.53105	**0.966**	± 0.1129	0.64085	**1.008**	± 0.3605	0.97791	CACTCCAAAACTAAACCACTTTTACTTATTATTTATAAAATATCTATTTAT
plasmid_lp21	6673	IG 535	**1.993**	± 1.0021	0.033051	**1.164**	± 0.6669	0.14707	**1.199**	± 0.4754	0.37056	**1.019**	± 0.4977	0.9322	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATAAAATATCTATTT
plasmid_lp21	6674	IG 536	**1.070**	± 0.7123	0.846189	**0.573**	± 0.5247	0.45737	**0.978**	± 0.5251	0.94866	**0.994**	± 0.4946	0.97813	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6685	IG 537	**2.542**	± 1.2953	0.065334	**1.352**	± 0.7195	0.18844	**1.061**	± 0.5598	0.71182	**1.305**	± 0.6103	0.3794	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6707	IG 538	**0.544**	± 0.3456	0.35289	**0.532**	± 0.3915	0.37427	**0.992**	± 0.4522	0.9495	**1.065**	± 0.5927	0.17954	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	6719	IG 539	**2.479**	± 1.0778	0.003915	**1.33**	± 0.5483	0.17781	**1.265**	± 0.8522	0.61814	**1.007**	± 0.64	0.93723	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6732	IG 540	**1.687**	± 0.3773	0.043108	**1.064**	± 0.2245	0.60185	**1.093**	± 0.1959	0.28875	**1.087**	± 0.3568	0.66279	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6734	IG 541	**1.779**	± 0.8467	0.018149	**1.254**	± 0.7067	0.03242	**1.114**	± 0.499	0.67572	**1.023**	± 0.5577	0.89283	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6735	IG 542	**1.307**	± 0.7325	0.264793	**0.52**	± 0.4234	0.39425	**1.036**	± 0.6489	0.90732	**1.011**	± 0.5339	0.96736	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6746	IG 543	**2.715**	± 1.5822	0.111899	**1.595**	± 0.7174	0.0633	**1.026**	± 0.4957	0.91544	**1.249**	± 0.5331	0.09737	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	6768	IG 544	**0.631**	± 0.4757	0.538003	**0.493**	± 0.4385	0.42086	**1.053**	± 0.645	0.76716	**0.877**	± 0.6327	0.22354	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	6780	IG 545	**2.396**	± 1.7396	0.015069	**1.298**	± 0.8398	0.49362	**1.138**	± 0.9135	0.7231	**0.9**	± 0.7382	0.65601	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6783	IG 546	**2.294**	± 0.2514	0.00342	**1.323**	± 0.1776	0.03973	**1.154**	± 0.2494	0.33692	**1.132**	± 0.1477	0.34478	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	6793	IG 547	**1.604**	± 0.2756	0.013164	**1.03**	± 0.1637	0.65177	**0.99**	± 0.2415	0.94447	**1.056**	± 0.3498	0.69166	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6795	IG 548	**1.971**	± 0.8222	0.023668	**1.434**	± 0.7294	0.11747	**1.273**	± 0.437	0.22204	**1.053**	± 0.5284	0.79447	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6815	IG 549	**3.134**	± 1.7299	0.117725	**1.662**	± 1.2111	0.32663	**1.35**	± 0.664	0.2244	**1.232**	± 0.6984	0.40358	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA

plasmid_lp21	6856	IG 550	**2.887**	± 2.1374	0.133386	**1.678**	± 1.8126	0.40406	**1.104**	± 0.7673	0.70786	**0.962**	± 0.7862	0.89048	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	6859	IG 551	**1.224**	± 0.5939	0.459414	**0.598**	± 0.4632	0.42876	**0.996**	± 0.6193	0.99305	**1.01**	± 0.4373	0.96633	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6865	IG 552	**1.330**	± 0.9395	0.531876	**0.361**	± 0.317	0.29738	**1.04**	± 0.8064	0.82955	**0.794**	± 0.6755	0.04758	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	6867	IG 553	**3.230**	± 2.2115	0.118297	**1.808**	± 1.3784	0.36793	**1.392**	± 0.7469	0.22355	**1.33**	± 0.8768	0.38403	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	6892	IG 554	**3.597**	± 1.217	0.057314	**1.672**	± 1.1023	0.43092	**1.346**	± 0.8516	0.49478	**1.609**	± 1.1694	0.48361	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	6904	IG 555	**2.779**	± 2.6207	0.025632	**1.557**	± 1.571	0.21599	**1.514**	± 1.4923	0.53415	**1.203**	± 1.1627	0.61243	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	6917	IG 556	**2.548**	± 2.9368	0.117199	**1.505**	± 2.3643	0.50098	**1.023**	± 1.2241	0.91089	**1.031**	± 1.4639	0.85742	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	6921	IG 557	**3.124**	± 0.8523	0.05285	**1.959**	± 0.6674	0.14919	**1.203**	± 0.1717	0.05066	**1.276**	± 0.1653	0.07913	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	6922	IG 558	**1.241**	± 0.5358	0.394937	**0.591**	± 0.4084	0.30903	**1.005**	± 0.4615	0.98387	**0.927**	± 0.3088	0.66068	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	6952	IG 559	**2.531**	± 1.4025	0.01995	**2.042**	± 1.9621	0.31773	**0.746**	± 0.3507	0.45648	**1.036**	± 0.7812	0.94615	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCAT
plasmid_lp21	6956	IG 560	**3.802**	± 2.4637	0.024617	**2.776**	± 2.9302	0.25681	**1.429**	± 0.8724	0.46965	**1.357**	± 1.0024	0.04242	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	6984	IG 561	**1.689**	± 0.6734	0.217705	**1.188**	± 0.5911	0.48831	**1.406**	± 0.6092	0.2327	**1.627**	± 0.9579	0.28547	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	6994	IG 562	**2.789**	± 0.9401	0.031315	**2.04**	± 0.5761	0.0082	**0.866**	± 0.3017	0.25527	**1.114**	± 0.5195	0.66762	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	7009	IG 563	**1.952**	± 0.8102	0.073879	**1.078**	± 0.675	0.77304	**0.887**	± 0.2654	0.25795	**0.993**	± 0.3265	0.91971	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	7045	IG 564	**2.799**	± 0.946	0.004974	**1.578**	± 0.9297	0.21093	**1.057**	± 0.361	0.65224	**0.908**	± 0.375	0.75202	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7047	IG 565	**1.437**	± 0.8336	0.304628	**0.693**	± 0.4297	0.53676	**0.902**	± 1.1433	0.73991	**1.069**	± 0.6244	0.84528	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7048	IG 566	**1.378**	± 0.8867	0.363288	**0.681**	± 0.4945	0.53895	**1.065**	± 0.4898	0.81124	**1.182**	± 0.4771	0.12917	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7072	IG 567	**2.056**	± 0.6433	0.028327	**1.185**	± 0.6035	0.46953	**1**	± 0.3328	0.98846	**1.117**	± 0.2935	0.11692	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	7082	IG 568	**2.108**	± 0.3866	0.01614	**1.168**	± 0.3713	0.53835	**1.206**	± 0.6216	0.58063	**0.969**	± 0.2414	0.84823	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	7093	IG 569	**3.010**	± 2.0255	0.008547	**1.379**	± 0.8448	0.30886	**1.417**	± 1.0005	0.51548	**1.274**	± 0.9259	0.20979	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	7108	IG 570	**2.674**	± 0.5321	0.010027	**1.423**	± 0.8827	0.44752	**1.056**	± 0.2855	0.43882	**1.057**	± 0.4315	0.85792	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7110	IG 571	**1.767**	± 0.774	0.207733	**1.181**	± 0.4503	0.61233	**1.386**	± 1.0849	0.39653	**0.868**	± 0.3143	0.46619	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7111	IG 572	**1.061**	± 0.6519	0.773734	**0.535**	± 0.3922	0.32009	**1**	± 0.461	0.99842	**1.05**	± 0.4431	0.72396	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7135	IG 573	**1.872**	± 0.5552	0.075745	**1.116**	± 0.6137	0.73674	**0.916**	± 0.2163	0.59063	**0.943**	± 0.2818	0.69379	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	7145	IG 574	**2.731**	± 1.2731	0.15272	**1.592**	± 0.7316	0.2044	**1.699**	± 1.1646	0.41552	**1.187**	± 0.4229	0.55081	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	7156	IG 575	**3.089**	± 1.5262	0.036854	**1.303**	± 0.6258	0.3219	**1.411**	± 0.8827	0.48446	**1.367**	± 0.7981	0.15458	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	7171	IG 576	**3.052**	± 0.92	0.012052	**1.642**	± 0.8216	0.14985	**1.236**	± 0.4181	0.21761	**1.136**	± 0.456	0.60663	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7173	IG 577	**1.407**	± 0.4867	0.317795	**1.162**	± 0.397	0.62213	**0.97**	± 0.6072	0.90245	**0.667**	± 0.2575	0.19382	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7204	IG 578	**2.477**	± 0.6141	0.030153	**1.671**	± 0.7558	0.19147	**1.249**	± 0.4287	0.38305	**0.921**	± 0.3223	0.74967	TTCTTTATGAAATATTTATTTTTATGATTTATACACTCCAGTAAACTAAAC
plasmid_lp21	7207	IG 579	**0.583**	± 0.4357	0.465251	**0.515**	± 0.4512	0.4375	**0.987**	± 0.5494	0.95103	**0.872**	± 0.6635	0.32673	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	7222	IG 580	**2.225**	± 0.2467	0.000727	**1.345**	± 0.3148	0.11021	**1.256**	± 0.2306	0.03322	**1.289**	± 0.14	0.03368	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	7232	IG 581	**1.941**	± 0.6676	0.122733	**1.113**	± 0.281	0.57397	**1.163**	± 0.3189	0.40568	**1.205**	± 0.4842	0.53378	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTTTT
plasmid_lp21	7234	IG 582	**2.188**	± 0.885	0.036165	**1.415**	± 0.7448	0.19375	**1.398**	± 0.4672	0.16643	**1.044**	± 0.5184	0.86084	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTT
plasmid_lp21	7244	IG 583	**5.072**	± 2.6381	0.00014	**2.305**	± 1.2777	0.00344	**1.481**	± 0.7863	0.26266	**1.453**	± 0.7983	0.25105	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	7246	IG 584	**2.755**	± 1.2097	0.110048	**1.759**	± 0.5268	0.09776	**1.175**	± 0.2806	0.20741	**1.351**	± 0.4347	0.20774	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	7268	IG 585	**0.595**	± 0.4059	0.454592	**0.501**	± 0.431	0.41466	**1.029**	± 0.6188	0.81022	**0.864**	± 0.5631	0.44606	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	7283	IG 586	**2.178**	± 0.2972	0.015763	**1.335**	± 0.1932	0.03867	**1.2**	± 0.2453	0.06984	**1.094**	± 0.1525	0.2212	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	7293	IG 587	**2.296**	± 0.6361	0.023154	**1.305**	± 0.4868	0.25829	**1.136**	± 0.3448	0.1907	**1.28**	± 0.4415	0.30287	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	7295	IG 588	**1.878**	± 0.8137	0.02973	**1.393**	± 0.7172	0.12751	**1.187**	± 0.4623	0.45991	**1.059**	± 0.5201	0.66676	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7329	IG 589	**3.440**	± 1.1361	0.068598	**1.32**	± 0.799	0.57944	**0.993**	± 0.5816	0.98991	**1.492**	± 1.069	0.52197	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	7358	IG 590	**3.005**	± 1.1504	0.079883	**1.813**	± 1.0426	0.31918	**0.977**	± 0.1977	0.83332	**1.304**	± 0.3017	0.01481	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7419	IG 591	**3.415**	± 0.8636	0.039006	**1.5**	± 0.619	0.34186	**1.061**	± 0.4671	0.85126	**1.394**	± 0.6649	0.3828	CACTCCAGTAAACTAAACCACTTTTACTAATTCTTTATAAAATATTTATTT
plasmid_lp21	7446	IG 592	**1.953**	± 0.9234	0.057439	**1.295**	± 0.6212	0.09649	**0.959**	± 0.4375	0.69105	**1.148**	± 0.4525	0.02116	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	7452	IG 593	**2.375**	± 0.8612	0.032707	**1.732**	± 0.853	0.18715	**1.368**	± 0.7564	0.52838	**0.926**	± 0.3918	0.82656	TTCTTTATGAAATATTTATTTTTATGATTTATACACTCCAGTAAACTAAAC
plasmid_lp21	7482	IG 594	**3.927**	± 1.4103	0.010268	**1.567**	± 0.9366	0.29866	**1.405**	± 0.4588	0.08217	**1.515**	± 0.8859	0.47775	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTT
plasmid_lp21	7515	IG 596	**2.166**	± 1.351	0.033107	**1.875**	± 1.0161	0.15329	**1.278**	± 0.6737	0.67358	**1.022**	± 0.4188	0.63172	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATAAATAAAT
plasmid_lp21	7515	IG 595	**2.510**	± 1.0577	0.062838	**1.928**	± 1.766	0.14961	**0.802**	± 0.498	0.51511	**0.818**	± 0.7673	0.94669	TTCTTTATGAAATATTTATTTTTATGATTTATACACTCCAGTAAACTAAAC
plasmid_lp21	7557	IG 597	**5.015**	± 2.0171	0.013015	**2.065**	± 0.8322	0.00572	**1.201**	± 0.7153	0.63759	**1.66**	± 0.5908	0.13181	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	7559	IG 598	**2.948**	± 1.7111	0.144879	**1.86**	± 0.6514	0.11258	**1.202**	± 0.5121	0.38239	**1.278**	± 0.6683	0.33082	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT

plasmid_lp21	7569	IG 599	**1.818**	± 1.5323	0.442206	**1.984**	± 0.7832	0.1155	**1.886**	± 1.0428	0.27321	**2.578**	± 1.7368	0.23122	AAATATTTATTTATATGATTTATGTAGTCCAGTAAACTAAACCACTTTTAC
plasmid_lp21	7581	IG 600	**0.526**	± 0.338	0.347993	**0.519**	± 0.393	0.38019	**0.955**	± 0.4497	0.79172	**1.045**	± 0.5917	0.46567	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	7606	IG 601	**2.313**	± 0.6538	0.011701	**1.368**	± 0.5493	0.17452	**1.053**	± 0.3119	0.25793	**1.249**	± 0.4729	0.31673	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	7608	IG 602	**1.951**	± 0.8377	0.026485	**1.422**	± 0.7673	0.1491	**1.277**	± 0.4825	0.26027	**1.061**	± 0.5051	0.75818	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7609	IG 603	**1.385**	± 0.6897	0.246183	**0.662**	± 0.4452	0.4828	**1.163**	± 0.542	0.58144	**1.244**	± 0.4614	0.23376	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7633	IG 604	**2.086**	± 0.7982	0.038151	**1.174**	± 0.5085	0.37233	**1.015**	± 0.3852	0.6861	**1.075**	± 0.4533	0.14742	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	7654	IG 605	**2.584**	± 1.2384	9.79E-06	**1.08**	± 0.5029	0.83352	**1.089**	± 0.639	0.78099	**1.126**	± 0.6492	0.2133	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	7669	IG 606	**2.935**	± 0.6482	0.017926	**1.598**	± 0.8178	0.26401	**1.229**	± 0.2622	0.05435	**1.172**	± 0.3492	0.51155	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7671	IG 607	**1.315**	± 0.6557	0.561368	**0.891**	± 0.5241	0.56569	**1.096**	± 0.7682	0.83076	**0.727**	± 0.2171	0.32506	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7672	IG 608	**1.355**	± 0.8049	0.406876	**0.667**	± 0.4428	0.46244	**1.136**	± 0.5707	0.72713	**1.195**	± 0.5412	0.45552	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7702	IG 609	**2.372**	± 1.3024	0.020779	**1.996**	± 1.6379	0.20494	**0.655**	± 0.379	0.28856	**0.842**	± 0.6976	0.72155	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAAAAATAAAT
plasmid_lp21	7706	IG 610	**2.534**	± 0.5364	0.020764	**1.623**	± 0.682	0.18991	**1.513**	± 0.584	0.31668	**1.62**	± 0.5924	0.1073	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	7717	IG 611	**2.592**	± 1.4898	0.001457	**1.294**	± 0.7019	0.4712	**1.217**	± 0.955	0.5952	**1.166**	± 0.9697	0.31636	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	7734	IG 612	**1.972**	± 0.9583	0.175302	**1.588**	± 0.7236	0.14532	**1.636**	± 0.8082	0.21853	**2.211**	± 1.1682	0.1373	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7735	IG 613	**1.372**	± 0.5954	0.257097	**0.747**	± 0.4469	0.53527	**1.142**	± 0.5786	0.68904	**1.185**	± 0.4327	0.54651	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7797	IG 614	**1.681**	± 0.8394	0.256577	**1.188**	± 0.3926	0.01824	**1.391**	± 0.8061	0.4582	**1.528**	± 1.2175	0.42622	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7819	IG 615	**1.417**	± 0.9055	0.154463	**1.094**	± 0.704	0.83805	**1.3**	± 0.6954	0.06066	**1.698**	± 1.7642	0.43477	AAATATTTATTTATATGATTTATGTAGTCCAGTAAACTAAACCACTTTTAC
plasmid_lp21	7831	IG 616	**2.711**	± 0.9063	0.089278	**1.284**	± 0.8159	0.62296	**1.353**	± 0.9949	0.6085	**1.379**	± 0.9726	0.58094	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	7860	IG 617	**2.634**	± 0.9575	0.086142	**1.849**	± 0.9725	0.27053	**0.924**	± 0.2086	0.25316	**1.164**	± 0.3202	0.30969	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7861	IG 618	**1.249**	± 0.8314	0.511536	**0.635**	± 0.4921	0.48587	**1.124**	± 0.5971	0.71977	**1.157**	± 0.5713	0.39282	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7872	IG 619	**2.831**	± 1.577	0.17067	**1.7**	± 0.5896	0.20621	**1.242**	± 0.6556	0.6243	**1.487**	± 0.5136	0.29847	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	7894	IG 620	**0.536**	± 0.3478	0.344291	**0.557**	± 0.4025	0.39678	**0.928**	± 0.412	0.61389	**1.015**	± 0.5539	0.81727	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	7919	IG 621	**1.683**	± 0.3481	0.026226	**1.043**	± 0.2166	0.71452	**1.08**	± 0.26	0.54462	**1.082**	± 0.3177	0.60268	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	7921	IG 622	**1.833**	± 0.6666	0.034266	**1.345**	± 0.6395	0.17771	**1.186**	± 0.3753	0.42988	**1.022**	± 0.4898	0.88269	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	7922	IG 623	**1.204**	± 0.8755	0.618738	**0.605**	± 0.5599	0.54452	**1.144**	± 0.8297	0.76381	**1.177**	± 0.726	0.65268	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7955	IG 624	**3.886**	± 1.3674	0.029999	**1.929**	± 1.089	0.31061	**1.361**	± 1.1507	0.6013	**1.596**	± 0.9363	0.43962	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	7967	IG 625	**2.861**	± 1.7768	0.00706	**1.236**	± 0.741	0.3619	**1.292**	± 0.8331	0.46437	**1.078**	± 0.6682	0.72001	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	7980	IG 626	**2.652**	± 3.1281	0.101225	**1.484**	± 2.4813	0.53421	**0.887**	± 1.0329	0.65739	**1.105**	± 1.5576	0.53607	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	7984	IG 627	**2.995**	± 1.4754	0.080141	**1.85**	± 1.1556	0.30157	**0.78**	± 0.2711	0.39018	**1.111**	± 0.4136	0.56157	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	7985	IG 628	**1.158**	± 0.6508	0.599085	**0.687**	± 0.4986	0.51945	**1.109**	± 0.5523	0.78381	**1.226**	± 0.5428	0.39333	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	7996	IG 629	**2.493**	± 1.553	0.230615	**1.581**	± 0.8166	0.32187	**1.226**	± 0.2672	0.172	**1.211**	± 0.1824	0.24135	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8018	IG 630	**0.529**	± 0.3928	0.384512	**0.57**	± 0.4921	0.47488	**0.999**	± 0.5234	0.99095	**0.877**	± 0.6806	0.42209	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	8019	IG 631	**3.648**	± 2.4355	0.018729	**3.171**	± 3.2459	0.21713	**1.685**	± 1.0431	0.26364	**1.432**	± 1.013	0.19934	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	8033	IG 632	**2.295**	± 0.2142	0.004725	**1.447**	± 0.2534	0.04854	**1.237**	± 0.1728	0.04009	**1.192**	± 0.1511	0.15156	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	8043	IG 633	**1.624**	± 0.36	0.01314	**1.007**	± 0.2	0.95087	**1.057**	± 0.2298	0.49216	**1.101**	± 0.286	0.45133	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	8045	IG 634	**1.942**	± 0.7211	0.011348	**1.367**	± 0.661	0.12828	**1.195**	± 0.4336	0.33708	**1.092**	± 0.5112	0.6449	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8055	IG 635	**4.897**	± 1.3432	0.005045	**1.967**	± 0.7189	0.04278	**1.306**	± 0.5136	0.25714	**1.448**	± 0.4757	0.24841	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	8057	IG 636	**2.453**	± 0.868	0.080564	**1.359**	± 0.4749	0.24578	**1.033**	± 0.345	0.84033	**1.158**	± 0.4185	0.42092	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8079	IG 637	**0.535**	± 0.3642	0.355865	**0.549**	± 0.4024	0.39043	**0.978**	± 0.4105	0.88291	**1.042**	± 0.5607	0.28098	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	8104	IG 638	**2.104**	± 0.6585	0.036467	**1.286**	± 0.4755	0.20645	**1.064**	± 0.3468	0.649	**1.192**	± 0.4222	0.32834	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	8106	IG 639	**1.794**	± 0.7456	0.020756	**1.362**	± 0.7444	0.16637	**1.117**	± 0.429	0.55994	**0.987**	± 0.4952	0.93785	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8107	IG 640	**1.032**	± 0.6597	0.905259	**0.54**	± 0.4172	0.40116	**0.908**	± 0.5623	0.74332	**0.905**	± 0.457	0.7211	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8118	IG 641	**2.366**	± 1.3698	0.206455	**1.292**	± 0.5972	0.2727	**0.798**	± 0.3839	0.54433	**1.338**	± 0.5796	0.1129	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8140	IG 642	**0.508**	± 0.3504	0.355378	**0.472**	± 0.3787	0.35633	**0.983**	± 0.5164	0.91354	**0.881**	± 0.6154	0.51557	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	8152	IG 643	**2.595**	± 1.5906	0.017282	**1.109**	± 0.5835	0.74381	**1.207**	± 0.7546	0.5599	**1.187**	± 0.7566	0.41696	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8155	IG 644	**2.064**	± 0.4518	0.023945	**1.336**	± 0.3239	0.15487	**1.139**	± 0.311	0.06496	**1.14**	± 0.2922	0.53489	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	8165	IG 645	**1.658**	± 0.2918	0.003917	**1.014**	± 0.2093	0.73006	**1.056**	± 0.2266	0.61015	**1.033**	± 0.3061	0.74991	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	8167	IG 646	**1.864**	± 0.6986	0.016176	**1.301**	± 0.6302	0.16012	**1.21**	± 0.4198	0.26173	**0.964**	± 0.4482	0.82701	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8187	IG 647	**3.745**	± 2.2896	0.081792	**2.427**	± 1.9533	0.21649	**1.66**	± 0.9199	0.09577	**1.859**	± 0.79	0.00042	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA

plasmid_lp21	8201	IG 648	**0.743**	± 0.8264	0.310659	**0.725**	± 0.4617	0.37125	**0.478**	± 0.656	0.51716	**0.836**	± 0.9205	0.85226	AGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCATAAAAATAAATATT
plasmid_lp21	8228	IG 649	**2.890**	± 1.8168	0.139866	**1.936**	± 2.012	0.42161	**1.188**	± 0.6307	0.56259	**1.029**	± 0.8987	0.9507	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8231	IG 650	**1.375**	± 0.7673	0.192213	**0.631**	± 0.4775	0.48557	**1.236**	± 0.6362	0.38242	**1.334**	± 0.6287	0.13006	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8237	IG 651	**1.220**	± 1.0208	0.714273	**0.347**	± 0.3593	0.35519	**1.053**	± 0.8728	0.83221	**0.816**	± 0.7491	0.37992	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	8239	IG 652	**2.744**	± 1.7682	0.117901	**1.437**	± 1.2626	0.55222	**1.281**	± 0.6767	0.21125	**1.04**	± 0.6021	0.85616	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	8255	IG 653	**2.221**	± 1.583	0.041022	**1.153**	± 0.9684	0.05912	**0.832**	± 0.5621	0.65716	**1.344**	± 0.917	0.50278	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	8264	IG 654	**2.336**	± 2.6808	0.043752	**1.902**	± 2.493	0.16397	**1.114**	± 1.2991	0.79845	**1.37**	± 1.7268	0.0206	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	8276	IG 655	**2.638**	± 1.6952	0.016793	**1.344**	± 0.7607	0.22414	**1.451**	± 1.0115	0.47499	**1.172**	± 0.7179	0.37358	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8291	IG 656	**2.733**	± 0.4141	0.004646	**1.591**	± 0.7796	0.2499	**1.152**	± 0.2503	0.24282	**0.933**	± 0.2391	0.56027	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8293	IG 657	**1.339**	± 0.8843	0.600515	**1.188**	± 0.518	0.48926	**1.014**	± 0.9539	0.96259	**0.644**	± 0.5173	0.43992	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	8303	IG 658	**4.949**	± 2.2273	0.010688	**2.16**	± 0.8674	0.01627	**1.384**	± 0.9375	0.47122	**1.785**	± 0.7942	0.06733	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	8305	IG 659	**2.731**	± 1.7645	0.174056	**1.627**	± 0.5674	0.03362	**1.112**	± 0.7322	0.73112	**1.293**	± 0.6753	0.35953	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8327	IG 660	**0.536**	± 0.3584	0.364865	**0.556**	± 0.3998	0.40466	**0.962**	± 0.4854	0.76087	**1.029**	± 0.5912	0.70977	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	8352	IG 661	**2.098**	± 0.632	0.036743	**1.236**	± 0.5005	0.35799	**1.02**	± 0.3147	0.73909	**1.179**	± 0.4145	0.44333	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	8354	IG 662	**1.895**	± 0.7533	0.01984	**1.414**	± 0.7209	0.09581	**1.226**	± 0.4681	0.39936	**1.041**	± 0.5079	0.72604	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8355	IG 663	**1.082**	± 0.6358	0.691686	**0.551**	± 0.4163	0.36807	**0.944**	± 0.4823	0.76026	**0.907**	± 0.3735	0.54907	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8379	IG 664	**2.261**	± 0.7962	0.02885	**1.164**	± 0.5051	0.33442	**1.028**	± 0.343	0.5996	**1.139**	± 0.3673	0.03664	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	8400	IG 665	**2.652**	± 1.818	0.002927	**1.292**	± 0.8211	0.46327	**1.367**	± 0.9534	0.48817	**0.973**	± 0.7427	0.92512	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8415	IG 666	**3.044**	± 0.8048	0.013271	**1.551**	± 0.9455	0.3183	**1.332**	± 0.2869	0.06657	**1.264**	± 0.5335	0.4017	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8417	IG 667	**1.011**	± 0.4106	0.965696	**0.678**	± 0.4108	0.20434	**0.939**	± 0.7679	0.78673	**0.575**	± 0.2459	0.16493	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	8451	IG 668	**3.751**	± 1.381	0.045448	**1.37**	± 0.7861	0.48866	**1.409**	± 1.1191	0.503	**1.76**	± 1.3654	0.45036	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	8480	IG 669	**2.749**	± 0.7036	0.001592	**1.608**	± 0.5999	0.04985	**1.215**	± 0.4299	0.41325	**1.233**	± 0.4017	0.10755	TGTAGTCCACTAAACTAAACCACTTTTACTTATTATTTATGAAATATTTAT
plasmid_lp21	8481	IG 670	**1.180**	± 0.7726	0.597992	**0.583**	± 0.451	0.43027	**1.042**	± 0.6596	0.91406	**1.059**	± 0.4558	0.30455	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8492	IG 671	**2.343**	± 1.4501	0.141782	**1.595**	± 0.9107	0.16992	**1.167**	± 0.4403	0.23859	**1.144**	± 0.5637	0.42391	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8514	IG 672	**0.507**	± 0.3666	0.350443	**0.527**	± 0.3943	0.38657	**0.944**	± 0.4617	0.72991	**0.99**	± 0.5987	0.89537	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	8515	IG 673	**5.007**	± 3.1439	0.021128	**3.373**	± 3.344	0.21009	**2.343**	± 1.4139	0.14966	**1.912**	± 1.1942	0.0041	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	8539	IG 674	**1.639**	± 0.3031	0.022841	**0.985**	± 0.1848	0.85667	**1.019**	± 0.2081	0.83967	**1.074**	± 0.2947	0.64555	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	8541	IG 675	**1.841**	± 0.7914	0.019081	**1.328**	± 0.7342	0.15152	**1.188**	± 0.4608	0.33707	**1.023**	± 0.497	0.90925	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8542	IG 676	**1.279**	± 0.7569	0.500791	**0.649**	± 0.4868	0.46247	**1.241**	± 0.8314	0.63333	**1.068**	± 0.4654	0.7856	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8566	IG 677	**2.303**	± 0.9392	0.041393	**1.23**	± 0.6684	0.34444	**1.004**	± 0.3663	0.97095	**1.093**	± 0.5133	0.42229	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	8587	IG 678	**2.586**	± 1.4846	0.024188	**1.159**	± 0.6904	0.50982	**1.123**	± 0.6916	0.69791	**0.952**	± 0.8054	0.73655	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8602	IG 679	**2.769**	± 0.6936	0.009512	**1.679**	± 0.9316	0.24331	**1.113**	± 0.3509	0.27701	**1.089**	± 0.4159	0.75643	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8604	IG 680	**1.311**	± 0.3974	0.175086	**1.442**	± 0.5314	0.33172	**1.186**	± 0.7951	0.5596	**0.693**	± 0.4277	0.40529	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	8605	IG 681	**1.304**	± 0.9966	0.475063	**0.74**	± 0.621	0.67605	**1.054**	± 0.7107	0.82235	**1.175**	± 0.5608	0.45939	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8638	IG 682	**3.559**	± 1.1192	0.040447	**1.728**	± 0.926	0.35748	**1.567**	± 1.1549	0.49457	**1.758**	± 1.1125	0.40292	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	8639	IG 683	**2.188**	± 0.8211	0.004557	**1.516**	± 0.645	0.24447	**1.335**	± 0.6564	0.15054	**1.422**	± 0.5717	0.33465	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	8650	IG 684	**2.552**	± 1.8817	0.000708	**1.003**	± 0.7767	0.98766	**0.988**	± 0.7345	0.98166	**0.95**	± 0.7891	0.81213	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8663	IG 685	**2.641**	± 3.2936	0.063262	**1.622**	± 2.6331	0.38487	**1.014**	± 1.3373	0.9512	**1.04**	± 1.721	0.83721	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	8667	IG 686	**2.614**	± 0.5973	0.040209	**1.487**	± 1.1177	0.5592	**0.842**	± 0.1408	0.2313	**1.139**	± 0.2157	0.09021	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	8668	IG 687	**1.373**	± 0.7755	0.374475	**0.76**	± 0.5277	0.58617	**1.152**	± 0.6245	0.67501	**1.28**	± 0.6059	0.25647	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8698	IG 688	**2.141**	± 1.2243	0.004954	**2.231**	± 1.9707	0.20262	**0.786**	± 0.4713	0.66636	**0.769**	± 0.6861	0.42379	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATA
plasmid_lp21	8730	IG 689	**1.625**	± 0.6309	0.240932	**1.38**	± 0.7411	0.31562	**1.458**	± 0.7651	0.30556	**1.731**	± 1.1757	0.30714	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	8740	IG 690	**2.701**	± 0.8299	0.007076	**2.095**	± 0.5971	0.01352	**1.101**	± 0.2994	0.56078	**1.074**	± 0.3766	0.75667	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	8755	IG 691	**2.189**	± 0.7586	0.055911	**1.188**	± 0.5293	0.48033	**1.015**	± 0.3386	0.89864	**1.117**	± 0.3655	0.40357	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	8791	IG 692	**2.899**	± 0.4567	0.003918	**1.572**	± 0.8944	0.32319	**1.226**	± 0.2939	0.1817	**1.122**	± 0.4338	0.6937	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8794	IG 693	**1.498**	± 1.0952	0.313737	**0.684**	± 0.6151	0.61122	**1.219**	± 0.7765	0.58086	**1.103**	± 0.5027	0.56296	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8818	IG 694	**1.970**	± 0.6162	0.071736	**1.226**	± 0.5869	0.47778	**0.907**	± 0.2059	0.14406	**1.064**	± 0.2711	0.47359	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	8828	IG 695	**2.816**	± 0.2108	0.002073	**1.548**	± 0.5036	0.16351	**1.536**	± 0.4886	0.22977	**1.012**	± 0.1211	0.81895	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	8839	IG 696	**2.381**	± 1.5215	0.075412	**1.141**	± 0.6063	0.58565	**1.187**	± 0.8817	0.74247	**1.097**	± 0.6686	0.07668	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC

plasmid_lp21	8854	IG 697	**2.663**	± 0.7744	0.013906	**1.523**	± 0.6598	0.13745	**1.054**	± 0.34	0.21869	**0.931**	± 0.3908	0.77847	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8857	IG 698	**1.156**	± 0.73	0.730152	**0.607**	± 0.4435	0.34817	**1.148**	± 0.68	0.7097	**1.112**	± 0.6169	0.78224	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8881	IG 699	**1.782**	± 0.5131	0.072201	**1.133**	± 0.5176	0.57995	**0.897**	± 0.2298	0.30138	**0.948**	± 0.2582	0.45452	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	8902	IG 700	**2.592**	± 1.8093	0.016821	**0.953**	± 0.5854	0.89801	**1.416**	± 1.0924	0.52978	**0.95**	± 0.6265	0.83389	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8917	IG 701	**2.827**	± 0.791	0.012389	**1.582**	± 0.7897	0.191	**1.276**	± 0.35	0.10647	**0.991**	± 0.3676	0.96133	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8920	IG 702	**1.348**	± 1.0338	0.320899	**0.711**	± 0.5275	0.61311	**0.989**	± 0.6211	0.96625	**1.153**	± 0.5796	0.64804	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	8931	IG 703	**2.622**	± 1.4105	0.082616	**1.549**	± 0.7487	0.24288	**1.307**	± 0.6224	0.35357	**1.31**	± 0.618	0.49014	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	8953	IG 704	**0.539**	± 0.343	0.358672	**0.489**	± 0.3446	0.33162	**0.999**	± 0.4839	0.9969	**1.015**	± 0.6112	0.66317	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	8965	IG 705	**3.376**	± 1.7917	0.011186	**1.392**	± 0.6623	0.34507	**1.781**	± 1.1678	0.17077	**1.176**	± 0.7687	0.0761	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	8978	IG 706	**1.711**	± 0.2965	0.026892	**1.007**	± 0.1707	0.93117	**1.043**	± 0.2108	0.68015	**1.053**	± 0.2859	0.74259	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	8980	IG 707	**1.793**	± 0.7065	0.006684	**1.316**	± 0.6765	0.10228	**1.19**	± 0.4563	0.39813	**1.011**	± 0.4605	0.94414	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	8981	IG 708	**1.209**	± 0.733	0.317256	**0.633**	± 0.5201	0.52938	**1.071**	± 0.6039	0.79909	**1.06**	± 0.5178	0.79145	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9026	IG 709	**2.354**	± 1.6306	0.033107	**1.121**	± 0.6843	0.67447	**1.164**	± 0.8334	0.66182	**0.988**	± 0.6828	0.94477	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9043	IG 710	**1.564**	± 0.8943	0.16743	**1.1**	± 0.5865	0.60699	**1.24**	± 0.7207	0.54844	**1.566**	± 1.3054	0.31794	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9044	IG 711	**1.154**	± 0.7131	0.665282	**0.618**	± 0.4824	0.44607	**1.012**	± 0.5889	0.97107	**1.025**	± 0.5083	0.93951	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9055	IG 712	**2.959**	± 1.6719	0.109968	**1.681**	± 0.7135	0.12031	**0.863**	± 0.454	0.22728	**1.62**	± 0.8178	0.28474	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	9077	IG 713	**0.491**	± 0.3106	0.281138	**0.49**	± 0.3324	0.29575	**0.916**	± 0.4013	0.46365	**0.967**	± 0.5218	0.49065	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	9102	IG 714	**1.618**	± 0.2851	0.027575	**0.972**	± 0.1952	0.79322	**1.007**	± 0.2154	0.92036	**1.055**	± 0.3156	0.78622	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	9104	IG 715	**1.865**	± 0.7321	0.028787	**1.372**	± 0.7128	0.15692	**1.212**	± 0.4222	0.34278	**1.053**	± 0.4525	0.71038	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9105	IG 716	**1.202**	± 0.7122	0.460165	**0.567**	± 0.4723	0.44112	**0.967**	± 0.5268	0.91076	**1.031**	± 0.4851	0.89405	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9129	IG 717	**1.910**	± 0.616	0.068803	**1.16**	± 0.4682	0.48727	**0.816**	± 0.1789	0.04984	**0.955**	± 0.2782	0.69182	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9150	IG 718	**2.669**	± 2.1407	0.008101	**0.841**	± 0.6569	0.6413	**1.054**	± 0.8569	0.90993	**0.994**	± 0.9131	0.96599	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9165	IG 719	**3.137**	± 0.8786	0.022427	**1.571**	± 1.0436	0.38276	**1.12**	± 0.3374	0.34478	**1.152**	± 0.4328	0.60479	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9167	IG 720	**1.063**	± 0.4596	0.867079	**1.215**	± 0.5349	0.48876	**0.881**	± 0.662	0.7388	**0.759**	± 0.2462	0.37392	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9168	IG 721	**1.198**	± 0.773	0.510838	**0.663**	± 0.4892	0.5247	**0.984**	± 0.6	0.95136	**0.932**	± 0.4128	0.78045	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9192	IG 722	**2.064**	± 0.8842	0.020931	**1.266**	± 0.6843	0.20998	**1.081**	± 0.4262	0.23068	**1.056**	± 0.3705	0.6692	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9213	IG 723	**2.668**	± 2.4963	0.007548	**1.137**	± 1.0533	0.7265	**1.446**	± 1.3127	0.43435	**1.45**	± 1.3802	0.10475	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9228	IG 724	**2.624**	± 0.527	0.010667	**1.459**	± 0.7427	0.30173	**1.071**	± 0.219	0.25869	**0.849**	± 0.2989	0.42007	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9231	IG 725	**1.270**	± 0.5213	0.280643	**0.724**	± 0.4596	0.50803	**1.333**	± 0.5381	0.30692	**1.05**	± 0.3268	0.69923	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9261	IG 726	**1.915**	± 1.1816	0.003041	**2.09**	± 1.7136	0.14709	**0.634**	± 0.4342	0.46402	**0.713**	± 0.7488	0.48851	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCA
plasmid_lp21	9265	IG 727	**2.860**	± 0.5473	0.008177	**1.714**	± 0.5578	0.08833	**1.366**	± 0.4725	0.34979	**1.658**	± 0.8966	0.247	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	9276	IG 728	**1.969**	± 1.2758	0.007024	**0.826**	± 0.4832	0.5956	**0.867**	± 0.5791	0.74148	**0.876**	± 0.6076	0.453	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9293	IG 729	**1.568**	± 0.8303	0.390026	**1.302**	± 0.8302	0.3719	**1.204**	± 0.7116	0.19421	**1.478**	± 1.0238	0.29343	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9305	IG 730	**1.760**	± 2.635	0.667781	**2.109**	± 2.1578	0.46656	**0.636**	± 0.4196	0.33959	**1.407**	± 0.8067	0.5173	AATAGATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	9327	IG 731	**0.580**	± 0.4333	0.463442	**0.485**	± 0.3851	0.37251	**0.952**	± 0.5413	0.80761	**0.867**	± 0.6285	0.45251	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	9342	IG 732	**2.193**	± 0.2957	0.012389	**1.364**	± 0.1946	0.0719	**1.244**	± 0.2073	0.02088	**1.207**	± 0.1357	0.12856	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	9352	IG 733	**1.647**	± 0.3326	0.042529	**0.947**	± 0.2302	0.70261	**0.982**	± 0.3387	0.91119	**1.039**	± 0.3349	0.85566	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTTTT
plasmid_lp21	9354	IG 734	**2.106**	± 1.2329	0.041201	**1.281**	± 0.8491	0.06933	**1.257**	± 0.7018	0.41617	**1.019**	± 0.6304	0.94307	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTT
plasmid_lp21	9364	IG 735	**5.974**	± 2.5744	0.001145	**2.466**	± 1.0541	0.00482	**1.311**	± 0.6048	0.22077	**1.775**	± 0.807	0.16862	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	9366	IG 736	**3.165**	± 1.8751	0.173275	**1.762**	± 0.4942	0.08509	**1.208**	± 0.365	0.31378	**1.447**	± 0.6573	0.30415	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	9388	IG 737	**0.568**	± 0.4344	0.470351	**0.465**	± 0.4255	0.41325	**0.99**	± 0.6828	0.93464	**0.93**	± 0.7988	0.71996	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	9403	IG 738	**2.097**	± 0.31	0.018417	**1.31**	± 0.2276	0.10389	**1.137**	± 0.2239	0.27105	**1.153**	± 0.1395	0.10714	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	9413	IG 739	**2.218**	± 0.7259	0.024443	**1.264**	± 0.54	0.32534	**1.066**	± 0.307	0.24873	**1.193**	± 0.4975	0.4834	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	9415	IG 740	**1.829**	± 0.7254	0.010905	**1.303**	± 0.721	0.20575	**1.125**	± 0.4319	0.60192	**1.032**	± 0.5109	0.85036	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9425	IG 741	**2.888**	± 0.4696	0.0092	**2.216**	± 0.674	0.06626	**1.069**	± 0.2235	0.70411	**0.865**	± 0.2903	0.595	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	9440	IG 742	**2.172**	± 0.9155	0.062723	**1.316**	± 0.6415	0.2354	**1.016**	± 0.3089	0.82201	**1.155**	± 0.4026	0.03341	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9476	IG 743	**2.775**	± 0.7875	0.003976	**1.564**	± 0.9419	0.27988	**1.173**	± 0.3494	0.21667	**0.946**	± 0.4386	0.84733	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9479	IG 744	**1.343**	± 0.8179	0.297865	**0.622**	± 0.5175	0.51162	**1.008**	± 0.6284	0.98586	**1.018**	± 0.46	0.93567	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9498	IG 745	**3.296**	± 2.0239	0.108286	**1.326**	± 0.9211	0.2556	**1.532**	± 0.8141	0.16603	**1.453**	± 0.7653	0.11307	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA

plasmid_lp21	9512	IG 746	**0.748**	± 0.8136	0.364703	**0.902**	± 0.4712	0.81608	**0.547**	± 0.8063	0.58889	**0.887**	± 0.9417	0.88803	AGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCATAAAAATAAATATT
plasmid_lp21	9513	IG 747	**2.297**	± 0.7307	0.044326	**1.435**	± 0.7906	0.18348	**1.185**	± 0.8273	0.78409	**1.116**	± 0.6013	0.50989	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	9524	IG 748	**2.942**	± 1.9239	0.056387	**1.384**	± 0.797	0.23281	**1.162**	± 0.805	0.3891	**1.206**	± 0.9691	0.41339	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9539	IG 749	**2.810**	± 2.3022	0.103349	**1.977**	± 2.3143	0.32274	**1.067**	± 0.8217	0.73353	**1.069**	± 1.0275	0.75517	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9548	IG 750	**1.302**	± 0.8563	0.580198	**0.367**	± 0.3156	0.29121	**0.955**	± 0.6744	0.85342	**0.743**	± 0.5112	0.22053	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	9550	IG 751	**3.104**	± 1.9297	0.073683	**1.58**	± 1.3424	0.47343	**1.437**	± 0.7878	0.05179	**1.215**	± 0.6554	0.38617	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	9566	IG 752	**1.753**	± 1.1076	0.135665	**1.156**	± 0.7157	0.66957	**0.867**	± 0.4438	0.72758	**0.974**	± 0.5563	0.94486	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	9572	IG 753	**1.994**	± 1.9584	0.151133	**0.643**	± 0.5194	0.36612	**0.642**	± 0.6187	0.20556	**0.489**	± 0.6932	0.16163	TTCTTTATGAAATATTTATTTTTATGATTTATACACTCCACTAAACTAAAC
plasmid_lp21	9575	IG 754	**2.517**	± 2.8072	0.045056	**1.903**	± 2.3316	0.11813	**1.51**	± 1.7309	0.12928	**1.435**	± 1.8254	0.07467	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	9602	IG 755	**4.012**	± 1.429	0.003759	**1.996**	± 1.21	0.25736	**1.59**	± 0.7962	0.29551	**1.415**	± 0.8395	0.5542	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTT
plasmid_lp21	9614	IG 756	**4.583**	± 1.317	0.00587	**2.302**	± 0.6499	0.00535	**1.401**	± 0.5406	0.17523	**1.345**	± 0.3915	0.2295	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	9616	IG 757	**2.536**	± 1.4478	0.17922	**1.489**	± 0.7243	0.25063	**1.125**	± 0.4623	0.66773	**1.05**	± 0.4692	0.78709	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	9638	IG 758	**0.501**	± 0.348	0.327088	**0.523**	± 0.3835	0.3642	**0.916**	± 0.4335	0.51431	**0.954**	± 0.5489	0.59773	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	9663	IG 759	**2.085**	± 0.595	0.028936	**1.311**	± 0.5363	0.29358	**1.1**	± 0.3167	0.20388	**1.244**	± 0.4125	0.32792	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	9665	IG 760	**2.014**	± 0.8337	0.018665	**1.416**	± 0.7705	0.14079	**1.255**	± 0.4905	0.35499	**1.101**	± 0.4903	0.60323	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9666	IG 761	**1.217**	± 0.755	0.578814	**0.608**	± 0.4301	0.39062	**1.145**	± 0.492	0.51704	**1.05**	± 0.4688	0.83612	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9690	IG 762	**2.227**	± 0.9832	0.040902	**1.238**	± 0.6781	0.26589	**1.062**	± 0.4137	0.63497	**1.151**	± 0.5127	0.36552	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9711	IG 763	**3.357**	± 2.2009	0.013368	**1.345**	± 0.7953	0.30301	**1.526**	± 1.0373	0.22672	**1.477**	± 1.0187	0.03021	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9726	IG 764	**2.650**	± 0.8616	0.008842	**1.46**	± 0.9102	0.29562	**1.081**	± 0.3838	0.25621	**0.986**	± 0.4507	0.9616	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9728	IG 765	**1.336**	± 0.5271	0.417581	**1.139**	± 0.1897	0.3844	**0.903**	± 0.6048	0.83846	**0.771**	± 0.3456	0.49231	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9729	IG 766	**1.414**	± 0.7351	0.29903	**0.625**	± 0.5405	0.51285	**1.066**	± 0.662	0.87742	**1.277**	± 0.6152	0.41376	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9753	IG 767	**2.185**	± 0.955	0.090021	**1.289**	± 0.6286	0.38268	**0.949**	± 0.3144	0.6616	**1.097**	± 0.4126	0.37695	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9763	IG 768	**4.458**	± 1.1876	0.024697	**2.499**	± 0.4677	0.02377	**1.748**	± 0.9406	0.29738	**2.146**	± 0.62	0.0907	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	9774	IG 769	**2.084**	± 1.1998	0.054811	**0.865**	± 0.3626	0.52649	**0.959**	± 0.6953	0.92504	**1.132**	± 0.7863	0.43632	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9789	IG 770	**2.885**	± 0.786	0.01389	**1.601**	± 0.9759	0.30959	**1.171**	± 0.3215	0.0039	**1.045**	± 0.5355	0.91026	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9791	IG 771	**1.869**	± 0.4108	0.056965	**1.001**	± 0.4677	0.99927	**1.271**	± 0.8071	0.57666	**0.706**	± 0.1746	0.10057	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9792	IG 772	**1.231**	± 0.9468	0.480368	**0.551**	± 0.4687	0.45744	**1.092**	± 0.7362	0.77629	**1.084**	± 0.5588	0.6885	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9816	IG 773	**1.997**	± 0.8288	0.018571	**1.314**	± 0.686	0.18841	**1.044**	± 0.4303	0.67331	**1.035**	± 0.4975	0.27332	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9837	IG 774	**2.807**	± 1.7063	0.060735	**1.016**	± 0.4416	0.94053	**1.273**	± 0.6489	0.54311	**1.189**	± 0.7482	0.22824	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9852	IG 775	**2.792**	± 0.9774	0.018999	**1.456**	± 0.8237	0.18685	**1.057**	± 0.3991	0.81976	**1.003**	± 0.4456	0.99225	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9854	IG 776	**1.508**	± 0.6425	0.207917	**1.097**	± 0.4689	0.79521	**0.703**	± 0.5333	0.11038	**0.603**	± 0.2588	0.14951	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9888	IG 777	**0.799**	± 0.5886	0.730962	**0.886**	± 0.7039	0.86154	**1.331**	± 0.745	0.16042	**1.278**	± 0.8091	0.06818	AGTAAAAGTGGTGTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	9889	IG 778	**2.452**	± 0.4568	0.010894	**1.517**	± 0.6712	0.173	**1.448**	± 0.6979	0.44893	**1.216**	± 0.2813	0.27507	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	9913	IG 779	**1.964**	± 1.0604	0.094791	**0.983**	± 0.4951	0.90964	**1.008**	± 0.5045	0.97126	**1.084**	± 0.6791	0.79431	CACTCCAAAACTACACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	9915	IG 780	**2.619**	± 0.9089	0.032034	**1.612**	± 0.7308	0.1368	**1.539**	± 0.5434	0.11515	**1.186**	± 0.6557	0.57516	TACACTCCAAAACTACACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9916	IG 781	**1.192**	± 0.7016	0.419388	**0.601**	± 0.45	0.43044	**1.142**	± 0.6169	0.5694	**1.063**	± 0.4936	0.62413	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9940	IG 782	**1.946**	± 0.6558	0.047163	**1.165**	± 0.5178	0.3842	**1.021**	± 0.2928	0.64633	**1.049**	± 0.3924	0.56886	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	9946	IG 783	**2.578**	± 1.8717	0.084422	**1.674**	± 1.1484	0.24218	**0.903**	± 0.7277	0.82145	**1.212**	± 1.163	0.7545	TTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAAAACTACACCA
plasmid_lp21	9961	IG 784	**2.485**	± 1.3537	0.017281	**0.979**	± 0.5679	0.96316	**1.103**	± 0.6449	0.81497	**0.96**	± 0.7014	0.70935	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	9976	IG 785	**3.006**	± 0.9184	0.017262	**1.781**	± 0.9222	0.1805	**1.243**	± 0.399	0.19406	**1.087**	± 0.498	0.73955	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	9978	IG 786	**1.890**	± 0.7622	0.112357	**1.139**	± 0.4583	0.6422	**1.36**	± 1.067	0.54923	**0.771**	± 0.3417	0.42798	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	9979	IG 787	**1.165**	± 0.6962	0.534767	**0.687**	± 0.4819	0.51472	**0.967**	± 0.4871	0.88943	**0.942**	± 0.3725	0.74078	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	9990	IG 788	**2.375**	± 1.4371	0.199066	**1.416**	± 0.7418	0.46765	**1.019**	± 0.3969	0.91769	**1.123**	± 0.4877	0.75206	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	10012	IG 789	**0.564**	± 0.4215	0.457679	**0.518**	± 0.4441	0.45065	**0.889**	± 0.5711	0.64684	**0.913**	± 0.6917	0.61677	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	10013	IG 790	**2.441**	± 0.3013	0.013234	**1.4**	± 0.2651	0.07034	**1.249**	± 0.5259	0.50549	**1.296**	± 0.5914	0.50908	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	10024	IG 791	**2.446**	± 1.2953	0.114114	**1.174**	± 0.373	0.44414	**1.16**	± 0.5738	0.46689	**0.807**	± 0.3454	0.07515	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10027	IG 792	**1.972**	± 0.2545	0.015299	**1.282**	± 0.1547	0.02646	**1.161**	± 0.257	0.19192	**1.087**	± 0.1431	0.44707	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	10037	IG 793	**1.701**	± 0.3415	0.015263	**0.97**	± 0.1671	0.7202	**1.078**	± 0.2568	0.38823	**1.092**	± 0.3605	0.63384	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	10039	IG 794	**1.957**	± 0.7936	0.013966	**1.313**	± 0.6721	0.10454	**1.233**	± 0.4446	0.28848	**1.082**	± 0.54	0.69869	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT

plasmid_lp21	10059	IG 795	**3.422**	± 2.3812	0.092041	**1.962**	± 1.7024	0.21816	**1.857**	± 1.0605	0.03408	**1.52**	± 0.808	0.066	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	10100	IG 796	**2.694**	± 1.9326	0.106972	**1.584**	± 1.7051	0.40187	**0.919**	± 0.7159	0.71191	**0.803**	± 0.7461	0.33754	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10103	IG 797	**1.170**	± 0.7778	0.615217	**0.641**	± 0.4474	0.45057	**1.095**	± 0.5889	0.73894	**1.154**	± 0.3898	0.52241	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10109	IG 798	**1.299**	± 0.9391	0.612511	**0.307**	± 0.261	0.2421	**0.935**	± 0.6699	0.78412	**0.772**	± 0.6379	0.20121	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	10111	IG 799	**3.022**	± 1.9045	0.095429	**1.553**	± 1.291	0.49909	**1.391**	± 0.6957	0.17889	**1.165**	± 0.6293	0.6165	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	10122	IG 800	**4.039**	± 2.7506	0.076088	**2.297**	± 1.9846	0.18292	**1.733**	± 1.2008	0.08358	**1.645**	± 1.2497	0.12239	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	10148	IG 801	**2.216**	± 1.1486	0.001204	**1.178**	± 0.6999	0.16759	**0.936**	± 0.5418	0.83382	**0.978**	± 0.7403	0.81875	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10163	IG 802	**2.649**	± 1.8321	0.119445	**1.902**	± 2.0248	0.37615	**1.026**	± 0.6759	0.89692	**0.869**	± 0.9056	0.68603	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10172	IG 803	**1.285**	± 0.889	0.573659	**0.346**	± 0.3352	0.30109	**1.076**	± 0.8498	0.69478	**0.847**	± 0.673	0.28596	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	10174	IG 804	**2.839**	± 1.7533	0.124372	**1.302**	± 1.0667	0.61478	**1.149**	± 0.4626	0.18032	**1.029**	± 0.4785	0.87971	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	10175	IG 805	**2.593**	± 1.2483	0.041897	**1.854**	± 0.8689	0.08913	**0.667**	± 0.3135	0.36883	**0.716**	± 0.5039	0.36983	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	10182	IG 806	**2.581**	± 3.1073	0.450557	**2.133**	± 1.9565	0.16513	**0.473**	± 0.4153	0.39307	**0.636**	± 0.5932	0.55526	TTTATTTATATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	10190	IG 807	**1.988**	± 0.613	0.029158	**1.214**	± 0.5584	0.37582	**1.02**	± 0.3318	0.67936	**0.952**	± 0.2916	0.10333	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10200	IG 808	**2.039**	± 0.9466	0.140033	**1.521**	± 1.0889	0.31741	**1.4**	± 0.681	0.43807	**0.99**	± 0.7611	0.97569	CTTATTCTTTATAAAATATTTATTTATATGATTTATACACTCCACTAAACT
plasmid_lp21	10226	IG 809	**2.750**	± 0.4791	0.011567	**1.59**	± 0.7821	0.26851	**1.065**	± 0.1505	0.25481	**0.983**	± 0.3493	0.93654	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10228	IG 810	**1.711**	± 0.7139	0.211454	**1.413**	± 0.4791	0.2301	**0.988**	± 0.6244	0.97814	**0.837**	± 0.5888	0.70919	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10229	IG 811	**1.206**	± 0.6427	0.391571	**0.608**	± 0.429	0.42444	**1.018**	± 0.6151	0.94294	**1.025**	± 0.3719	0.81322	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10253	IG 812	**1.983**	± 0.709	0.036513	**1.251**	± 0.6054	0.31472	**0.964**	± 0.365	0.64789	**1.123**	± 0.4304	0.29942	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10263	IG 813	**2.135**	± 0.8703	0.029882	**1.192**	± 0.4	0.48453	**0.883**	± 0.8408	0.87132	**0.869**	± 0.3905	0.11338	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	10274	IG 814	**3.262**	± 1.9244	0.026544	**1.18**	± 0.5843	0.49747	**1.346**	± 0.8172	0.37764	**1.271**	± 0.7551	0.09399	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10289	IG 815	**2.972**	± 0.8247	0.016591	**1.701**	± 0.8822	0.19694	**1.202**	± 0.243	0.11093	**1.134**	± 0.4821	0.65938	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10292	IG 816	**1.264**	± 0.7952	0.490727	**0.544**	± 0.3178	0.27572	**1.014**	± 0.5607	0.96671	**1.1**	± 0.5179	0.69887	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10316	IG 817	**1.940**	± 1.1801	0.071228	**1.058**	± 0.6243	0.78618	**0.921**	± 0.4379	0.78255	**1.309**	± 0.7106	0.4355	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	10325	IG 818	**2.191**	± 2.4668	0.02765	**1.721**	± 2.1768	0.07034	**1.094**	± 1.2473	0.81334	**1.136**	± 1.4085	0.42917	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	10326	IG 819	**2.431**	± 0.6214	0.053994	**1.408**	± 0.3271	0.01718	**1.399**	± 0.8419	0.50161	**1.158**	± 0.4241	0.38928	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	10337	IG 820	**2.212**	± 1.3441	0.028612	**0.879**	± 0.4725	0.73935	**1.023**	± 0.5989	0.89103	**0.869**	± 0.5469	0.59603	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10352	IG 821	**3.240**	± 0.987	0.013347	**1.829**	± 1.2282	0.26173	**1.221**	± 0.3286	0.17127	**1.19**	± 0.4562	0.43439	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10374	IG 822	**3.633**	± 1.9317	0.069588	**1.93**	± 1.4037	0.21992	**1.412**	± 0.7065	0.12214	**1.483**	± 0.7776	0.09069	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	10415	IG 823	**2.603**	± 2.1908	0.129908	**1.557**	± 1.8511	0.46566	**0.971**	± 0.752	0.94134	**1.003**	± 1.0196	0.9917	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10418	IG 824	**1.165**	± 0.6532	0.611154	**0.628**	± 0.4252	0.43183	**1.015**	± 0.5439	0.95523	**0.977**	± 0.3225	0.89001	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10424	IG 825	**1.231**	± 0.8497	0.65648	**0.336**	± 0.2768	0.26075	**0.952**	± 0.7094	0.84167	**0.729**	± 0.6046	0.25959	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	10426	IG 826	**2.833**	± 2.1711	0.153858	**1.479**	± 1.2354	0.49751	**1.226**	± 0.68	0.32593	**1.057**	± 0.712	0.86164	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	10437	IG 827	**3.637**	± 2.315	0.148514	**2.067**	± 1.6218	0.29917	**1.426**	± 0.7152	0.23101	**1.353**	± 0.5178	0.0931	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	10463	IG 828	**2.687**	± 2.0458	0.022418	**1.452**	± 1.0178	0.38191	**1.225**	± 0.9232	0.66061	**1.145**	± 1.0751	0.5811	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10478	IG 829	**2.360**	± 1.9703	0.107698	**1.684**	± 1.8849	0.31993	**0.85**	± 0.6092	0.59534	**0.916**	± 0.8811	0.43051	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10481	IG 830	**1.122**	± 0.5627	0.63269	**0.514**	± 0.3421	0.27471	**1.021**	± 0.4741	0.94267	**1.014**	± 0.4535	0.94977	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10487	IG 831	**1.336**	± 1.0292	0.584881	**0.404**	± 0.3706	0.35018	**1.023**	± 0.8109	0.92458	**0.726**	± 0.6465	0.18471	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	10489	IG 832	**3.070**	± 1.8654	0.088264	**1.611**	± 1.3508	0.47763	**1.306**	± 0.6574	0.2301	**1.168**	± 0.6461	0.52609	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	10505	IG 833	**1.847**	± 0.7192	0.011622	**1.184**	± 0.6083	0.24354	**0.93**	± 0.3447	0.34593	**0.949**	± 0.4596	0.54772	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10526	IG 834	**2.030**	± 1.1794	0.074966	**1.087**	± 0.5068	0.63289	**1.106**	± 0.6229	0.68222	**0.861**	± 0.5607	0.01336	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10541	IG 835	**3.045**	± 1.113	0.004523	**1.633**	± 1.0189	0.18922	**1.245**	± 0.4886	0.10974	**1.14**	± 0.674	0.74427	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10543	IG 836	**1.219**	± 0.5231	0.642861	**0.959**	± 0.5245	0.92633	**0.76**	± 0.8433	0.49886	**0.656**	± 0.2666	0.32676	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10544	IG 837	**1.264**	± 0.7535	0.446752	**0.602**	± 0.4412	0.40018	**1.098**	± 0.4179	0.71623	**1.108**	± 0.4401	0.66448	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10568	IG 838	**1.713**	± 0.952	0.137181	**1.03**	± 0.5376	0.84575	**0.796**	± 0.4333	0.31083	**0.943**	± 0.451	0.83702	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	10577	IG 839	**2.134**	± 2.337	0.075326	**1.489**	± 1.7847	0.14912	**1.229**	± 1.2329	0.40823	**1.166**	± 1.4296	0.23286	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	10589	IG 840	**3.287**	± 2.1541	0.018323	**1.394**	± 0.8438	0.12732	**1.394**	± 1.0538	0.4657	**1.196**	± 0.8457	0.07146	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10604	IG 841	**2.563**	± 0.9866	0.032966	**1.549**	± 0.897	0.18376	**1.064**	± 0.391	0.70453	**1.106**	± 0.5003	0.7176	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10606	IG 842	**1.519**	± 0.4482	0.074266	**0.967**	± 0.4586	0.92319	**1.206**	± 0.7576	0.72753	**0.801**	± 0.359	0.37025	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10637	IG 843	**2.326**	± 1.6167	0.004956	**2.101**	± 2.1532	0.21736	**0.582**	± 0.3725	0.39051	**0.86**	± 0.9273	0.68415	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAA

plasmid_lp21	10669	IG 844	**1.747**	± 1.0782	0.261118	**1.247**	± 0.519	0.03165	**1.25**	± 0.6284	0.55609	**1.734**	± 1.1519	0.18987	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10715	IG 845	**2.614**	± 1.3057	0.158234	**1.39**	± 1.1355	0.5986	**1.552**	± 1.1166	0.46905	**1.25**	± 0.8924	0.67286	AACCACTTTTACTTATTATTTATAAAATATTTATTTTTATGATTTATGTAG
plasmid_lp21	10733	IG 846	**1.282**	± 0.798	0.55818	**0.624**	± 0.4767	0.43692	**1.046**	± 0.5069	0.89014	**1.109**	± 0.5202	0.73312	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10739	IG 847	**1.135**	± 0.9945	0.845798	**0.19**	± 0.1911	0.21172	**1.008**	± 0.7983	0.96716	**0.69**	± 0.6381	0.27964	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTATTTATAAAA
plasmid_lp21	10741	IG 848	**2.544**	± 1.8057	0.171784	**1.268**	± 1.166	0.70449	**1.167**	± 0.6101	0.0638	**0.688**	± 0.3355	0.25239	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTATTTATAA
plasmid_lp21	10757	IG 849	**2.360**	± 0.9563	0.063313	**1.256**	± 0.5447	0.24966	**1.074**	± 0.353	0.43684	**1.248**	± 0.4189	0.17691	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10778	IG 850	**2.411**	± 0.6589	0.010885	**1.157**	± 0.2716	0.45246	**1.181**	± 0.4784	0.62775	**0.972**	± 0.4624	0.84852	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10793	IG 851	**2.765**	± 0.7156	0.014101	**1.635**	± 0.8489	0.20293	**1.08**	± 0.2836	0.42573	**1.05**	± 0.3731	0.81558	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10795	IG 852	**1.488**	± 0.4766	0.185349	**1.194**	± 0.2817	0.33991	**1.048**	± 0.9185	0.91628	**0.726**	± 0.4478	0.40547	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10817	IG 853	**2.464**	± 3.0448	0.189071	**1.301**	± 1.5341	0.11427	**0.763**	± 0.7358	0.75827	**1.356**	± 1.2146	0.56822	AAATATCTATTTTTATGATTTATACACTCCAGTAAACTAAACCACTTTTAC
plasmid_lp21	10829	IG 854	**3.696**	± 0.8294	0.013933	**1.644**	± 1.0661	0.45162	**1.441**	± 1.1271	0.55581	**1.858**	± 1.3104	0.41389	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	10858	IG 855	**2.896**	± 0.6663	0.026766	**1.79**	± 0.9693	0.31969	**0.862**	± 0.1443	0.16787	**1.255**	± 0.2795	0.18846	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTAT
plasmid_lp21	10859	IG 856	**1.135**	± 0.6153	0.65497	**0.527**	± 0.428	0.34167	**1.091**	± 0.5798	0.81653	**1.045**	± 0.4017	0.84052	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10883	IG 857	**2.152**	± 0.7341	0.015366	**1.271**	± 0.4339	0.02816	**0.943**	± 0.2852	0.60683	**1.115**	± 0.4562	0.32601	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10893	IG 858	**4.152**	± 3.013	0.023081	**3.101**	± 3.4633	0.23405	**1.912**	± 1.3391	0.18986	**1.803**	± 1.3392	0.0013	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	10919	IG 859	**3.179**	± 0.8942	0.004727	**1.756**	± 1.0426	0.2123	**1.293**	± 0.4391	0.2554	**1.085**	± 0.4364	0.56911	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10921	IG 860	**1.157**	± 0.6838	0.73601	**0.869**	± 0.4861	0.66146	**0.647**	± 0.4352	0.13847	**0.788**	± 0.4757	0.54339	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10922	IG 861	**1.127**	± 0.6323	0.683921	**0.582**	± 0.4399	0.36911	**1.011**	± 0.6642	0.97726	**1.142**	± 0.4911	0.66101	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	10946	IG 862	**2.139**	± 0.6702	0.01086	**1.298**	± 0.644	0.26158	**1.038**	± 0.3394	0.43515	**1.091**	± 0.4182	0.23889	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	10956	IG 863	**2.765**	± 0.4364	0.00029	**1.392**	± 0.4669	0.29289	**1.42**	± 0.7722	0.41501	**1.449**	± 0.47	0.20219	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	10967	IG 864	**2.443**	± 1.3549	0.080493	**1.195**	± 0.4369	0.20871	**1.239**	± 0.5287	0.29837	**0.842**	± 0.5109	0.35126	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	10982	IG 865	**3.079**	± 1.1436	0.04338	**1.885**	± 0.9449	0.13602	**1.249**	± 0.317	0.1659	**1.225**	± 0.4615	0.41418	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	10984	IG 866	**1.558**	± 0.6724	0.34971	**1.203**	± 0.5287	0.60251	**1.092**	± 0.8116	0.79772	**0.763**	± 0.2891	0.20072	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	10985	IG 867	**1.293**	± 0.88	0.327693	**0.597**	± 0.4784	0.47171	**0.983**	± 0.6193	0.95569	**1.034**	± 0.5455	0.90608	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11009	IG 868	**2.122**	± 0.9107	0.067608	**1.417**	± 0.7105	0.24656	**1.062**	± 0.3421	0.50213	**1.16**	± 0.3672	0.36043	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	11018	IG 869	**1.997**	± 2.4217	0.015082	**1.434**	± 1.8947	0.18334	**1.005**	± 1.1981	0.9924	**1.083**	± 1.4378	0.71805	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	11030	IG 870	**2.178**	± 0.5657	0.015855	**1.059**	± 0.2496	0.4511	**1.182**	± 0.5352	0.66259	**1.023**	± 0.4817	0.90904	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11045	IG 871	**2.695**	± 0.8327	0.016926	**1.715**	± 0.9538	0.2043	**1.052**	± 0.3145	0.60216	**1.125**	± 0.5116	0.70937	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	11047	IG 872	**1.782**	± 0.7719	0.264316	**1.076**	± 0.4161	0.39135	**1.352**	± 1.024	0.48616	**0.762**	± 0.2502	0.38312	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11096	IG 873	**1.538**	± 0.6066	0.020803	**1.273**	± 0.535	0.21761	**1.17**	± 0.4597	0.40689	**0.904**	± 0.3648	0.62584	GTTTAGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	11142	IG 874	**0.764**	± 0.5124	0.650026	**0.647**	± 0.4701	0.52219	**1.131**	± 0.474	0.57745	**1.151**	± 0.6276	0.10786	AGTAAAAGTGGTTTAGTTTAGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	11167	IG 875	**1.900**	± 0.2129	0.01474	**1.007**	± 0.2956	0.97678	**1.112**	± 0.4863	0.71729	**0.769**	± 0.1362	0.20033	CACTCCTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	11170	IG 876	**1.236**	± 0.8258	0.213767	**0.624**	± 0.5317	0.55306	**1.001**	± 0.6588	0.99348	**1.234**	± 0.6525	0.22432	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11189	IG 877	**3.412**	± 2.275	0.070513	**1.685**	± 1.3856	0.21039	**1.432**	± 0.7899	0.04397	**1.37**	± 0.8575	0.04303	TTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTAGTGGAGTGTATAAATCA
plasmid_lp21	11215	IG 878	**2.529**	± 1.242	0.010295	**1.252**	± 0.6526	0.22599	**1.172**	± 0.6921	0.60305	**1.141**	± 0.6509	0.38538	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11230	IG 879	**2.995**	± 2.1343	0.053064	**1.962**	± 2.0985	0.27939	**1.051**	± 0.8771	0.5596	**1.095**	± 0.9962	0.46601	CACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	11233	IG 880	**1.317**	± 0.5899	0.378558	**0.68**	± 0.4652	0.4229	**0.99**	± 0.3744	0.96602	**1.187**	± 0.2613	0.22389	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11239	IG 881	**1.325**	± 0.8883	0.53125	**0.401**	± 0.3445	0.31555	**1.088**	± 0.7755	0.68321	**0.812**	± 0.6654	0.14035	TGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAA
plasmid_lp21	11241	IG 882	**2.777**	± 1.3852	0.056062	**1.456**	± 1.1643	0.48234	**1.241**	± 0.6079	0.0851	**0.982**	± 0.5172	0.89557	TATGATTTATACACTCCACTAAACTAAACCACTTTTACTTATTCTTTATAA
plasmid_lp21	11266	IG 883	**3.321**	± 1.3413	0.05881	**1.466**	± 0.7893	0.4609	**1.048**	± 0.7916	0.89352	**1.489**	± 1.1114	0.57691	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	11278	IG 884	**2.361**	± 1.6619	0.019021	**0.959**	± 0.7599	0.85999	**1.293**	± 0.9319	0.44389	**0.904**	± 0.7429	0.63214	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11291	IG 885	**2.591**	± 3.8193	0.114212	**1.773**	± 3.1439	0.35727	**0.906**	± 1.2221	0.84247	**1.067**	± 1.7169	0.50701	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11295	IG 886	**3.213**	± 0.5099	0.017259	**1.865**	± 0.8968	0.23563	**1.039**	± 0.0439	0.22171	**1.532**	± 0.3548	0.11673	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11296	IG 887	**1.223**	± 0.6808	0.571983	**0.567**	± 0.3912	0.3275	**1.051**	± 0.5521	0.85717	**0.959**	± 0.34	0.86562	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11320	IG 888	**2.068**	± 0.7389	0.030172	**1.164**	± 0.4947	0.27135	**1.004**	± 0.3168	0.85257	**1.056**	± 0.4594	0.60063	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	11330	IG 889	**3.260**	± 2.0776	0.001427	**2.285**	± 2.4236	0.25667	**1.331**	± 0.8416	0.53082	**1.077**	± 0.7255	0.65621	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	11356	IG 890	**2.633**	± 0.7485	0.028205	**1.438**	± 0.8262	0.37417	**1.122**	± 0.3041	0.10716	**0.956**	± 0.3564	0.86009	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	11358	IG 891	**0.887**	± 0.4775	0.794087	**0.911**	± 0.5412	0.82779	**0.74**	± 0.6101	0.16481	**0.6**	± 0.3354	0.2633	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11359	IG 892	**1.576**	± 0.8871	0.276528	**0.777**	± 0.625	0.68122	**1.398**	± 0.9875	0.48712	**1.264**	± 0.547	0.52177	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT

plasmid_lp21	11404	IG 893	**2.380**	± 1.5711	0.039465	**1.005**	± 0.5545	0.98796	**1.024**	± 0.6558	0.94326	**0.938**	± 0.6978	0.53555	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11417	IG 894	**2.969**	± 3.4873	0.121563	**1.793**	± 2.7008	0.39026	**1.16**	± 1.4148	0.31744	**1.203**	± 1.6059	0.31203	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11421	IG 895	**2.944**	± 1.2603	0.077741	**1.884**	± 1.3107	0.32406	**1.045**	± 0.2477	0.83616	**1.117**	± 0.2498	0.58692	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11431	IG 896	**2.526**	± 1.6792	0.170436	**1.832**	± 1.2394	0.16251	**0.644**	± 0.4271	0.48814	**1.096**	± 0.7448	0.85561	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	11434	IG 897	**1.627**	± 0.8246	0.335359	**0.585**	± 0.1904	0.1538	**0.92**	± 0.5703	0.84464	**1.111**	± 0.505	0.57809	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	11445	IG 898	**2.989**	± 2.0654	0.230208	**1.335**	± 0.4554	0.40632	**1.592**	± 1.1145	0.38735	**1.047**	± 0.5968	0.9199	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	11446	IG 899	**2.072**	± 0.7658	0.02216	**1.207**	± 0.7042	0.44647	**0.996**	± 0.3606	0.97035	**1.177**	± 0.4366	0.18887	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	11482	IG 900	**2.805**	± 1.0714	0.022288	**1.53**	± 0.9649	0.16688	**1.086**	± 0.4222	0.71452	**1.052**	± 0.5292	0.88857	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	11485	IG 901	**1.160**	± 0.8536	0.636965	**0.649**	± 0.4742	0.52175	**1.043**	± 0.6703	0.92637	**1.021**	± 0.5541	0.95597	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11518	IG 902	**4.257**	± 1.7436	0.049435	**1.547**	± 0.8341	0.42437	**1.639**	± 1.0967	0.39253	**1.918**	± 1.2534	0.37713	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	11519	IG 903	**2.294**	± 0.5353	0.007736	**1.244**	± 0.5941	0.34989	**1.386**	± 0.8616	0.57605	**1.053**	± 0.2617	0.63771	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	11530	IG 904	**2.394**	± 1.5125	0.003453	**1.074**	± 0.693	0.67614	**1.037**	± 0.6883	0.91412	**0.87**	± 0.5742	0.57429	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11543	IG 905	**2.455**	± 2.6997	0.157438	**1.421**	± 2.1238	0.55868	**0.965**	± 1.0846	0.80344	**0.991**	± 1.2284	0.94809	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11547	IG 906	**2.966**	± 1.0123	0.064141	**1.873**	± 0.9136	0.2697	**1.024**	± 0.255	0.83568	**1.409**	± 0.425	0.04555	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11572	IG 907	**1.785**	± 0.9977	0.170218	**1.307**	± 0.7338	0.23403	**0.94**	± 0.3884	0.78376	**1.203**	± 0.5325	0.60648	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAA
plasmid_lp21	11581	IG 908	**2.253**	± 2.2628	0.096819	**1.594**	± 1.6985	0.14573	**1.125**	± 1.071	0.70306	**1.025**	± 1.1624	0.40718	AGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATATAAATAAATATT
plasmid_lp21	11608	IG 909	**2.739**	± 0.136	0.000288	**1.137**	± 0.5658	0.7261	**1.177**	± 0.3204	0.46417	**1.03**	± 0.5901	0.93467	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTATTT
plasmid_lp21	11644	IG 910	**0.537**	± 0.3452	0.35354	**0.526**	± 0.3773	0.36668	**0.969**	± 0.4831	0.82852	**1.009**	± 0.5816	0.86591	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	11669	IG 911	**1.687**	± 0.6827	0.256976	**0.83**	± 0.2987	0.54039	**0.829**	± 0.261	0.51202	**1.159**	± 0.5579	0.72922	CACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTTAT
plasmid_lp21	11671	IG 912	**2.754**	± 1.4124	0.030423	**1.364**	± 0.8532	0.07498	**1.565**	± 0.7471	0.10747	**1.323**	± 0.8504	0.46401	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATGAAATATTTATTT
plasmid_lp21	11705	IG 913	**0.516**	± 0.3268	0.320486	**0.532**	± 0.4346	0.40849	**1.038**	± 0.5302	0.64362	**0.841**	± 0.5679	0.38139	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	11720	IG 914	**2.322**	± 0.3483	0.001567	**1.436**	± 0.2689	0.10841	**1.209**	± 0.2844	0.21458	**1.215**	± 0.1905	0.1336	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	11730	IG 915	**1.549**	± 0.4279	0.097222	**0.929**	± 0.3167	0.783	**0.984**	± 0.2264	0.63899	**0.782**	± 0.4588	0.51728	CACTCCAAAACTAAACCACTTTTACTAATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11732	IG 916	**2.468**	± 1.1647	0.093259	**1.998**	± 0.7589	0.048	**2.042**	± 1.0414	0.12751	**1.469**	± 0.5773	0.30993	TACACTCCAAAACTAAACCACTTTTACTAATTCTTTATAAAATATTTATTT
plasmid_lp21	11742	IG 917	**2.465**	± 0.9079	0.057129	**1.676**	± 0.7699	0.29401	**0.772**	± 0.312	0.49076	**0.781**	± 0.2841	0.28785	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	11757	IG 918	**1.947**	± 0.905	0.057619	**1.187**	± 0.6561	0.32666	**0.987**	± 0.3368	0.94169	**1.017**	± 0.3602	0.88094	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	11793	IG 919	**3.184**	± 0.6876	0.01405	**1.688**	± 0.8835	0.24834	**1.416**	± 0.3123	0.00879	**1.135**	± 0.4017	0.65325	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	11796	IG 920	**1.176**	± 0.7688	0.658247	**0.542**	± 0.3752	0.30293	**1.103**	± 0.6234	0.79582	**1.179**	± 0.4507	0.43306	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11830	IG 921	**3.093**	± 0.7497	0.01333	**1.587**	± 0.4375	0.14382	**1.621**	± 1.3601	0.42448	**1.924**	± 0.7385	0.18511	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	11841	IG 922	**2.907**	± 2.8259	0.010337	**1.251**	± 1.1208	0.61475	**1.413**	± 1.2939	0.54341	**1.284**	± 1.2042	0.45936	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11854	IG 923	**2.632**	± 3.2852	0.130236	**1.554**	± 2.3949	0.40152	**0.924**	± 1.1893	0.66883	**0.927**	± 1.4453	0.55223	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11858	IG 924	**2.830**	± 1.5217	0.115064	**1.433**	± 1.0471	0.54447	**0.982**	± 0.3444	0.94698	**1.451**	± 0.5606	0.26155	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11871	IG 925	**1.676**	± 1.0254	0.248042	**0.742**	± 0.4784	0.62617	**0.985**	± 0.5767	0.95248	**1.286**	± 0.7901	0.01777	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	11875	IG 926	**2.332**	± 2.5948	0.294238	**1.37**	± 1.6264	0.52558	**0.861**	± 0.6981	0.31211	**0.862**	± 0.864	0.19994	TCTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATT
plasmid_lp21	11883	IG 927	**2.028**	± 0.8389	0.038635	**1.207**	± 0.6469	0.33123	**1.001**	± 0.3914	0.99194	**1.088**	± 0.4682	0.2729	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	11919	IG 928	**2.901**	± 1.0487	0.02867	**1.419**	± 0.8449	0.21023	**1.197**	± 0.4161	0.4847	**1.2**	± 0.6402	0.58499	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTT
plasmid_lp21	11922	IG 929	**1.184**	± 0.5121	0.294445	**0.604**	± 0.4646	0.40873	**1.106**	± 0.5987	0.75438	**0.999**	± 0.341	0.99356	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	11956	IG 930	**2.688**	± 0.5368	0.001824	**1.591**	± 0.5819	0.08107	**1.557**	± 1.2785	0.55497	**1.268**	± 0.4308	0.33897	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	11967	IG 931	**2.237**	± 1.0943	0.017032	**1.067**	± 0.5634	0.59088	**1.065**	± 0.6654	0.84213	**0.882**	± 0.5489	0.55658	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	11980	IG 932	**2.441**	± 2.9857	0.123837	**1.479**	± 2.2258	0.40833	**1.021**	± 1.2166	0.91574	**0.889**	± 1.3236	0.15781	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	11984	IG 933	**2.403**	± 0.9366	0.073529	**1.468**	± 0.8431	0.48751	**0.746**	± 0.2366	0.21319	**1.221**	± 0.3555	0.18375	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	11994	IG 934	**4.716**	± 1.0906	0.000634	**2.287**	± 0.5476	0.00013	**1.194**	± 0.3399	0.33559	**1.383**	± 0.3325	0.12127	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	11996	IG 935	**2.644**	± 1.4897	0.15186	**1.578**	± 0.5777	0.12243	**0.929**	± 0.432	0.81637	**1.227**	± 0.6219	0.39153	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	11997	IG 936	**1.761**	± 1.0148	0.226235	**0.705**	± 0.3677	0.50672	**0.931**	± 0.577	0.83081	**1.47**	± 0.8021	0.03316	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	12008	IG 937	**3.254**	± 2.7533	0.163371	**1.305**	± 0.9333	0.65955	**1.593**	± 1.3465	0.09241	**1.121**	± 0.8421	0.8625	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	12018	IG 938	**0.541**	± 0.3665	0.361634	**0.532**	± 0.3947	0.3748	**0.938**	± 0.4286	0.68066	**1.017**	± 0.5365	0.75536	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	12043	IG 939	**2.165**	± 0.6523	0.023913	**1.272**	± 0.5334	0.24864	**1.022**	± 0.3158	0.83443	**1.214**	± 0.5114	0.37532	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	12045	IG 940	**1.805**	± 0.8447	0.03326	**1.286**	± 0.668	0.08851	**1.154**	± 0.4599	0.49759	**1.027**	± 0.4995	0.87206	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12046	IG 941	**1.312**	± 0.8533	0.343857	**0.585**	± 0.528	0.52512	**1.062**	± 0.7807	0.86467	**1.053**	± 0.6391	0.86308	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT

plasmid_lp21	12057	IG 942	**2.534**	± 1.2939	0.16296	**1.449**	± 0.4987	0.28116	**1.008**	± 0.3652	0.9762	**1.187**	± 0.5515	0.66875	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	12079	IG 943	**0.499**	± 0.3251	0.339092	**0.492**	± 0.4367	0.41081	**0.924**	± 0.5309	0.65778	**0.998**	± 0.7041	0.99266	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATATAAATAAATATTTT
plasmid_lp21	12091	IG 944	**2.451**	± 1.1381	0.018175	**1.174**	± 0.489	0.25762	**1.091**	± 0.5209	0.70134	**0.916**	± 0.739	0.69306	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12094	IG 945	**2.238**	± 0.4441	0.028702	**1.333**	± 0.3127	0.06068	**1.147**	± 0.2849	0.00769	**1.273**	± 0.2425	0.046	GTTTTGGAGTGTATAAATCATATAAATAAATATTTTATAAAGAATAAGTAA
plasmid_lp21	12104	IG 946	**1.663**	± 0.3862	0.02237	**1.006**	± 0.226	0.961	**0.988**	± 0.2135	0.89084	**1.099**	± 0.371	0.58732	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	12106	IG 947	**1.826**	± 0.7645	0.009737	**1.343**	± 0.6365	0.03499	**1.133**	± 0.4472	0.53443	**0.995**	± 0.5087	0.9762	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12116	IG 948	**5.449**	± 2.0758	0.003911	**2.391**	± 1.0949	0.01991	**1.49**	± 0.6283	0.29857	**1.598**	± 0.6248	0.2198	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	12118	IG 949	**2.702**	± 1.5136	0.147935	**1.367**	± 0.5672	0.23847	**1.126**	± 0.3729	0.32941	**1.315**	± 0.5869	0.33149	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	12140	IG 950	**0.548**	± 0.3608	0.38167	**0.523**	± 0.3888	0.38376	**1.01**	± 0.5261	0.94595	**1.007**	± 0.5858	0.90729	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	12165	IG 951	**2.051**	± 0.6344	0.020231	**1.257**	± 0.5366	0.30931	**1.073**	± 0.3444	0.15299	**1.231**	± 0.4578	0.2993	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	12167	IG 952	**1.838**	± 0.712	0.028031	**1.36**	± 0.6402	0.12383	**1.183**	± 0.3783	0.38973	**1.032**	± 0.4863	0.82492	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12168	IG 953	**1.364**	± 0.8219	0.286557	**0.682**	± 0.53	0.55379	**1.114**	± 0.462	0.6331	**1.108**	± 0.4543	0.30189	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12198	IG 954	**2.310**	± 0.7026	0.017652	**1.937**	± 1.7578	0.40874	**0.662**	± 0.2738	0.32	**0.787**	± 0.6179	0.59106	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATAA
plasmid_lp21	12213	IG 955	**2.507**	± 1.8023	0.033228	**1.177**	± 0.7738	0.44521	**1.383**	± 0.9052	0.3853	**1.172**	± 0.8612	0.47928	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12230	IG 956	**1.454**	± 0.6586	0.344977	**0.986**	± 0.325	0.82542	**1.063**	± 0.55	0.82539	**1.509**	± 1.0911	0.40657	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12231	IG 957	**1.146**	± 0.7718	0.700781	**0.646**	± 0.5178	0.47297	**0.98**	± 0.4358	0.93842	**0.992**	± 0.4601	0.96624	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12255	IG 958	**1.985**	± 0.9031	0.043013	**1.054**	± 0.4816	0.67087	**0.929**	± 0.4314	0.68788	**1.009**	± 0.4153	0.959	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12291	IG 959	**3.071**	± 0.9105	0.003416	**1.628**	± 0.9523	0.20963	**1.256**	± 0.3876	0.29375	**1.055**	± 0.4882	0.83858	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12294	IG 960	**1.335**	± 0.767	0.311682	**0.753**	± 0.5799	0.63242	**1.213**	± 0.7609	0.61609	**1.288**	± 0.7646	0.38928	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12305	IG 961	**2.575**	± 1.3415	0.125364	**1.732**	± 0.5803	0.06451	**1.152**	± 0.3522	0.41628	**1.186**	± 0.3984	0.34455	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	12327	IG 962	**0.544**	± 0.3674	0.370208	**0.573**	± 0.425	0.42934	**1.004**	± 0.4745	0.97779	**1.063**	± 0.573	0.14822	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	12328	IG 963	**3.028**	± 0.4937	0.014634	**1.035**	± 0.331	0.81433	**1.174**	± 0.7932	0.76143	**1.156**	± 0.191	0.12713	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	12339	IG 964	**3.106**	± 1.8129	0.024225	**1.473**	± 0.7724	0.22654	**1.409**	± 0.8462	0.28967	**1.299**	± 0.8471	0.4023	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12352	IG 965	**1.658**	± 0.2534	0.01335	**1.001**	± 0.1794	0.98906	**0.999**	± 0.2003	0.9907	**1.039**	± 0.2934	0.78241	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	12354	IG 966	**1.989**	± 0.8601	0.009719	**1.406**	± 0.732	0.065	**1.276**	± 0.5386	0.37268	**1.079**	± 0.5209	0.63376	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12355	IG 967	**1.141**	± 0.7542	0.58154	**0.65**	± 0.5011	0.5291	**1.023**	± 0.6092	0.93781	**0.949**	± 0.4632	0.76066	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12379	IG 968	**2.069**	± 0.7559	0.021696	**1.187**	± 0.6234	0.3549	**1.051**	± 0.3255	0.48076	**1.092**	± 0.3927	0.22726	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12400	IG 969	**2.737**	± 1.2439	0.00914	**1.154**	± 0.4873	0.36312	**1.123**	± 0.6153	0.78763	**1.009**	± 0.5281	0.97075	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12415	IG 970	**2.856**	± 0.7123	0.029333	**1.625**	± 0.826	0.2821	**1.108**	± 0.2282	0.20102	**1.04**	± 0.3452	0.88821	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12417	IG 971	**1.190**	± 0.5564	0.597261	**0.598**	± 0.2508	0.05811	**0.934**	± 0.5682	0.83974	**0.651**	± 0.2677	0.32942	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12418	IG 972	**1.096**	± 0.7541	0.79877	**0.502**	± 0.3492	0.27651	**1.021**	± 0.5706	0.95187	**1.013**	± 0.392	0.93403	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12451	IG 973	**3.243**	± 1.0487	0.07024	**1.425**	± 0.6451	0.41668	**1.114**	± 0.4535	0.7075	**1.563**	± 1.362	0.57936	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	12463	IG 974	**2.187**	± 1.1354	0.001695	**0.914**	± 0.5336	0.59768	**1.139**	± 0.7329	0.76088	**0.916**	± 0.677	0.16126	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12476	IG 975	**2.493**	± 3.1496	0.0913	**1.444**	± 2.3572	0.4465	**1**	± 1.2355	0.99833	**1.194**	± 1.81	0.40084	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	12480	IG 976	**2.021**	± 0.7134	0.139657	**1.181**	± 0.6056	0.70658	**0.607**	± 0.3089	0.02324	**0.779**	± 0.1827	0.16175	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12481	IG 977	**1.215**	± 0.6987	0.308081	**0.536**	± 0.4513	0.39396	**1.04**	± 0.5429	0.78358	**0.962**	± 0.3799	0.74077	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12511	IG 978	**2.526**	± 1.4871	0.035583	**1.732**	± 1.4757	0.25172	**0.51**	± 0.2836	0.29991	**0.59**	± 0.6073	0.17265	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATAAATAAAT
plasmid_lp21	12515	IG 979	**3.132**	± 1.997	0.049343	**2.59**	± 2.5416	0.25404	**1.342**	± 0.7162	0.51753	**1.2**	± 0.6655	0.22037	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	12543	IG 980	**1.636**	± 0.2637	0.067446	**1.13**	± 0.3291	0.56671	**1.409**	± 0.4963	0.26546	**1.816**	± 1.3396	0.40265	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12553	IG 981	**2.700**	± 1.3064	0.03441	**2.177**	± 1.0674	0.03386	**0.955**	± 0.4196	0.84831	**0.954**	± 0.5774	0.92039	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGT
plasmid_lp21	12568	IG 982	**1.965**	± 0.7931	0.079698	**1.175**	± 0.5562	0.4119	**0.983**	± 0.3586	0.90525	**1.125**	± 0.3996	0.33253	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12604	IG 983	**2.825**	± 0.6508	0.013939	**1.57**	± 0.8558	0.29379	**1.147**	± 0.2461	0.08183	**1**	± 0.3239	0.99957	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12606	IG 984	**1.420**	± 0.2199	0.042627	**0.979**	± 0.2254	0.8749	**0.992**	± 0.5829	0.98115	**0.861**	± 0.1142	0.29059	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12607	IG 985	**1.355**	± 0.9098	0.436384	**0.632**	± 0.5312	0.52026	**0.954**	± 0.5625	0.8788	**1.043**	± 0.516	0.88721	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12631	IG 986	**2.309**	± 0.9872	0.029351	**1.189**	± 0.6007	0.28334	**1.055**	± 0.4651	0.18328	**1.112**	± 0.4793	0.27034	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12641	IG 987	**2.418**	± 0.6445	0.032232	**1.573**	± 0.3571	0.13921	**1.493**	± 1.2119	0.5054	**1.145**	± 0.258	0.42442	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	12652	IG 988	**2.668**	± 1.6717	0.064245	**1.09**	± 0.5339	0.73072	**1.229**	± 0.7063	0.44613	**1.201**	± 0.8552	0.32386	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12667	IG 989	**2.809**	± 0.6615	0.006805	**1.651**	± 0.8819	0.20323	**1.197**	± 0.2972	0.2611	**0.989**	± 0.3393	0.94435	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12669	IG 990	**1.878**	± 0.8696	0.225424	**1.38**	± 0.5498	0.32237	**1.16**	± 0.7816	0.65555	**0.81**	± 0.3166	0.49107	TACACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT

plasmid_lp21	12670	IG 991	**1.078**	± 0.802	0.823004	**0.562**	± 0.361	0.33074	**0.857**	± 0.4456	0.41872	**0.951**	± 0.3489	0.78299	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12715	IG 992	**2.663**	± 1.889	0.105291	**1.041**	± 0.5881	0.92706	**1.402**	± 0.8845	0.48729	**1.177**	± 0.6717	0.11011	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12732	IG 993	**1.692**	± 0.6263	0.224062	**1.25**	± 0.3849	0.30307	**1.417**	± 0.709	0.34848	**1.819**	± 1.1203	0.30296	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12733	IG 994	**1.403**	± 0.8256	0.379388	**0.752**	± 0.6429	0.67872	**1.06**	± 0.6624	0.87155	**1.255**	± 0.5044	0.30452	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12757	IG 995	**1.940**	± 0.6924	0.03624	**1.101**	± 0.5468	0.64269	**0.94**	± 0.2975	0.54326	**1.023**	± 0.3262	0.84464	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12793	IG 996	**2.556**	± 0.8115	0.003418	**1.503**	± 0.805	0.12787	**1.187**	± 0.4108	0.42302	**0.824**	± 0.4413	0.46773	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12796	IG 997	**1.319**	± 0.9516	0.455795	**0.551**	± 0.4127	0.37632	**1.095**	± 0.6615	0.80997	**0.964**	± 0.494	0.90652	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12820	IG 998	**1.920**	± 0.677	0.051707	**1.155**	± 0.4889	0.37444	**0.926**	± 0.3519	0.59389	**0.909**	± 0.3834	0.38285	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	12830	IG 999	**2.473**	± 0.9311	0.03701	**1.402**	± 0.5627	0.26615	**1.44**	± 1.2069	0.59379	**1.422**	± 0.6203	0.08179	CTTATTCTTTATAAAATATTTATTTTTATGATTTATACACTCCAGTAAACT
plasmid_lp21	12841	IG 1000	**2.309**	± 1.3602	0.024203	**1.003**	± 0.5447	0.99045	**1.014**	± 0.6184	0.96961	**0.836**	± 0.4741	0.55389	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12856	IG 1001	**3.040**	± 0.3829	0.005099	**1.564**	± 0.865	0.34215	**1.291**	± 0.177	0.10732	**1.033**	± 0.4312	0.89563	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12859	IG 1002	**1.316**	± 0.7202	0.181121	**0.759**	± 0.5749	0.66167	**1.076**	± 0.664	0.80958	**1.059**	± 0.5772	0.73694	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12870	IG 1003	**2.614**	± 1.6812	0.168408	**1.497**	± 0.6129	0.13519	**1.114**	± 0.5602	0.52082	**1.264**	± 0.4323	0.23053	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	12892	IG 1004	**0.518**	± 0.3201	0.314765	**0.538**	± 0.3855	0.37373	**0.934**	± 0.4428	0.62787	**0.968**	± 0.5562	0.50706	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	12904	IG 1005	**3.262**	± 2.0563	0.000224	**1.447**	± 0.881	0.2812	**1.427**	± 0.9603	0.35971	**1.444**	± 1.0292	0.01117	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12917	IG 1006	**1.609**	± 0.3487	0.020931	**0.946**	± 0.1763	0.39319	**1.045**	± 0.2615	0.73987	**1.049**	± 0.3559	0.76377	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	12919	IG 1007	**1.896**	± 0.6791	0.021159	**1.274**	± 0.6269	0.22052	**1.228**	± 0.4094	0.32749	**1.065**	± 0.498	0.74936	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	12920	IG 1008	**1.132**	± 0.7649	0.47479	**0.658**	± 0.5494	0.57626	**0.968**	± 0.5932	0.80742	**1.12**	± 0.6497	0.62891	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	12953	IG 1009	**3.948**	± 2.0778	0.061868	**2.137**	± 1.3792	0.29576	**1.811**	± 1.3628	0.3915	**2.04**	± 1.9618	0.48803	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	12965	IG 1010	**3.129**	± 1.7265	0.015935	**1.228**	± 0.5775	0.46247	**1.351**	± 0.747	0.40828	**1.284**	± 0.8496	0.14454	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	12978	IG 1011	**2.579**	± 3.5031	0.12824	**1.509**	± 2.4159	0.36335	**0.969**	± 1.4019	0.86932	**1.002**	± 1.4978	0.95346	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	12982	IG 1012	**2.762**	± 1.1249	0.074484	**1.685**	± 0.9774	0.3483	**0.889**	± 0.3022	0.65587	**1.351**	± 0.456	0.3618	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	12983	IG 1013	**1.312**	± 0.8321	0.313117	**0.694**	± 0.4604	0.54871	**1.135**	± 0.6231	0.62577	**1.15**	± 0.5539	0.48356	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13017	IG 1014	**4.068**	± 2.3734	0.033188	**3.119**	± 2.9741	0.22899	**1.832**	± 1.2143	0.38232	**1.575**	± 0.9593	0.06169	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	13041	IG 1015	**3.050**	± 3.9858	0.116977	**1.691**	± 2.6143	0.30596	**1.13**	± 1.5214	0.60004	**1.112**	± 1.6811	0.34379	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13045	IG 1016	**3.183**	± 0.7468	0.039372	**1.983**	± 0.9563	0.23926	**1.053**	± 0.3168	0.79443	**1.647**	± 0.2162	0.00833	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	13055	IG 1017	**4.270**	± 0.8324	0.00952	**1.946**	± 0.3335	0.04018	**1.165**	± 0.3158	0.26365	**1.429**	± 0.283	0.07617	TAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGT
plasmid_lp21	13057	IG 1018	**2.875**	± 1.5041	0.146999	**1.617**	± 0.6597	0.23242	**1.071**	± 0.3879	0.75076	**1.051**	± 0.3312	0.86196	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	13058	IG 1019	**1.680**	± 0.71	0.109268	**0.735**	± 0.2887	0.444	**1.152**	± 0.7109	0.69407	**1.361**	± 0.6494	0.09128	TTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTT
plasmid_lp21	13069	IG 1020	**3.175**	± 2.0187	0.15957	**1.26**	± 0.5344	0.51224	**1.7**	± 1.204	0.31902	**1.311**	± 0.4993	0.38105	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	13079	IG 1021	**0.539**	± 0.3693	0.36839	**0.539**	± 0.3835	0.3795	**0.969**	± 0.4478	0.81921	**1.018**	± 0.5396	0.62815	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	13104	IG 1022	**2.281**	± 0.7112	0.013884	**1.399**	± 0.6361	0.22939	**1.144**	± 0.3994	0.13183	**1.3**	± 0.5682	0.34918	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTAT
plasmid_lp21	13106	IG 1023	**1.815**	± 0.7428	0.028217	**1.305**	± 0.6701	0.1465	**1.182**	± 0.4631	0.47025	**0.998**	± 0.4816	0.99114	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	13107	IG 1024	**1.288**	± 0.6612	0.451564	**0.499**	± 0.3409	0.17917	**0.899**	± 0.4166	0.73798	**0.874**	± 0.2614	0.46418	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13140	IG 1025	**3.115**	± 1.2179	0.050286	**1.207**	± 0.8224	0.75829	**1.03**	± 0.854	0.94448	**1.53**	± 1.311	0.60785	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	13152	IG 1026	**2.742**	± 1.8058	0.035603	**1.365**	± 0.742	0.25337	**1.099**	± 0.7222	0.75161	**1.3**	± 0.7998	0.07517	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	13165	IG 1027	**2.704**	± 3.1141	0.163193	**1.624**	± 2.4695	0.47943	**1.178**	± 1.3357	0.52226	**1.241**	± 1.6854	0.50346	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13169	IG 1028	**2.474**	± 0.6154	0.045465	**1.467**	± 0.7888	0.45301	**0.891**	± 0.1336	0.30182	**1.203**	± 0.2403	0.1523	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	13170	IG 1029	**1.343**	± 0.9495	0.242124	**0.6**	± 0.5285	0.53658	**1.112**	± 0.887	0.76403	**0.966**	± 0.5537	0.88737	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13203	IG 1030	**3.449**	± 0.9791	0.032202	**1.584**	± 1.0212	0.47845	**1.34**	± 0.6962	0.48905	**1.439**	± 1.2407	0.64282	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	13204	IG 1031	**4.693**	± 3.2515	0.044694	**3.897**	± 3.9422	0.20827	**1.987**	± 1.1388	0.06911	**1.959**	± 1.3793	0.03116	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	13228	IG 1032	**3.473**	± 4.116	0.158899	**1.75**	± 2.7705	0.46509	**1.232**	± 1.5201	0.30249	**1.248**	± 1.7457	0.49584	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13232	IG 1033	**2.955**	± 0.9876	0.020887	**2.087**	± 1.2944	0.3133	**1.183**	± 0.3943	0.37367	**1.123**	± 0.3822	0.53417	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	13295	IG 1034	**2.503**	± 0.9063	0.014644	**1.301**	± 0.4893	0.0698	**1.061**	± 0.4387	0.61347	**1.042**	± 0.4989	0.90733	TGTAGTCCACTAAACTAAACCACTTTTACTTATTATTTATAAAATATTTAT
plasmid_lp21	13319	IG 1035	**3.490**	± 2.3351	0.171798	**1.675**	± 0.9383	0.38547	**1.868**	± 1.4499	0.24098	**1.41**	± 0.8492	0.56256	TAAAATATTTATTTATATGATTTATGTAGTCCACTAAACTAAACCACTTTT
plasmid_lp21	13329	IG 1036	**0.524**	± 0.3284	0.330421	**0.542**	± 0.3876	0.38101	**0.954**	± 0.4279	0.79637	**0.993**	± 0.5702	0.87972	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	13341	IG 1037	**3.796**	± 2.083	0.103665	**1.613**	± 1.1678	0.35959	**1.125**	± 0.5534	0.68085	**1.347**	± 0.6407	0.19596	AACCACTTTTACTTATTATTTATAAAATATTTATTTATATGATTTATGTAG
plasmid_lp21	13354	IG 1038	**2.093**	± 0.8585	0.127531	**1.136**	± 0.4077	0.61275	**1.043**	± 0.2612	0.71469	**1.18**	± 0.6124	0.69541	CACTCCAAAACTAAACCACTTTTACTTATTATTTATAAAATATTTATTTAT
plasmid_lp21	13356	IG 1039	**2.925**	± 1.6723	0.005738	**1.771**	± 1.1869	0.04413	**1.644**	± 0.9939	0.08551	**1.318**	± 0.8436	0.43274	TACACTCCAAAACTAAACCACTTTTACTTATTATTTATAAAATATTTATTT

plasmid_lp21	13357	IG 1040	**1.015**	± 0.8055	0.943085	**0.555**	± 0.3958	0.37635	**1.1**	± 0.5892	0.67604	**0.994**	± 0.3922	0.97824	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13390	IG 1041	**3.691**	± 0.7444	0.024867	**1.85**	± 0.8284	0.21672	**1.335**	± 0.8106	0.57654	**1.987**	± 1.2928	0.30586	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	13402	IG 1042	**2.511**	± 1.7516	4.73E-05	**1.191**	± 0.8218	0.55479	**1.028**	± 0.7568	0.9595	**1.008**	± 0.7737	0.97443	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	13415	IG 1043	**2.831**	± 3.3227	0.102842	**1.764**	± 2.7074	0.393	**1.066**	± 1.3129	0.72474	**1.077**	± 1.6164	0.73692	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13419	IG 1044	**2.594**	± 0.9375	0.083988	**1.814**	± 0.9687	0.30735	**0.875**	± 0.2345	0.11593	**1.423**	± 0.3209	0.10566	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	13453	IG 1045	**3.531**	± 0.9406	0.042305	**1.735**	± 1.0006	0.32729	**1.351**	± 0.8235	0.53727	**1.581**	± 1.2552	0.5043	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	13465	IG 1046	**2.916**	± 1.608	0.144685	**1.534**	± 0.9071	0.34751	**1.507**	± 1.7338	0.63309	**1.423**	± 0.8141	0.40259	AACCACTTTTACTTATTATTTATAAAATATTTATTTTTATGATTTATGTAG
plasmid_lp21	13482	IG 1047	**2.601**	± 1.0302	0.015761	**1.353**	± 0.6288	0.11635	**1.036**	± 0.4342	0.83708	**1.072**	± 0.5602	0.84875	TGTAGTCCACTAAACTAAACCACTTTTACTTATTATTTATAAAATATTTAT
plasmid_lp21	13543	IG 1048	**3.719**	± 1.4643	0.054744	**1.775**	± 1.2867	0.40711	**1.445**	± 0.5166	0.03329	**0.955**	± 0.4438	0.91528	CACTCCAGTAAACTAAACCACTTTTACTTATTATTTATAAAATATTTATTT
plasmid_lp21	13546	IG 1049	**1.219**	± 0.8105	0.557288	**0.592**	± 0.4786	0.47437	**1.142**	± 0.6722	0.6982	**1.061**	± 0.5178	0.81424	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13579	IG 1050	**2.045**	± 0.9747	0.199447	**0.682**	± 0.3436	0.45175	**0.501**	± 0.3678	0.32638	**1.059**	± 1.3864	0.95456	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAGATATT
plasmid_lp21	13591	IG 1051	**2.272**	± 1.0511	0.056313	**1.059**	± 0.3436	0.56555	**1.056**	± 0.5492	0.80474	**1.181**	± 0.5575	0.19046	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	13604	IG 1052	**2.491**	± 2.8172	0.102558	**1.614**	± 2.3233	0.38993	**0.965**	± 1.1866	0.90989	**0.945**	± 1.4099	0.7539	GTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13608	IG 1053	**2.746**	± 0.9502	0.056664	**1.743**	± 0.7639	0.23367	**0.847**	± 0.239	0.38715	**1.293**	± 0.3833	0.35969	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	13633	IG 1054	**1.985**	± 0.6903	0.062752	**1.299**	± 0.62	0.32372	**1.026**	± 0.2755	0.54896	**0.994**	± 0.305	0.8784	TAAAGAATAAGTAAAAGTGGTTTAGTTTACTGGAGTGTATAAATCATAAAA
plasmid_lp21	13669	IG 1055	**3.343**	± 0.9118	0.006837	**1.526**	± 0.884	0.28705	**1.425**	± 0.6277	0.08607	**1.173**	± 0.5021	0.62089	CACTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTT
plasmid_lp21	13765	IG 1056	**2.264**	± 1.3284	0.078351	**1.818**	± 1.4079	0.23809	**0.508**	± 0.241	0.12545	**0.875**	± 0.75	0.65973	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATA
plasmid_lp21	13831	IG 1057	**2.895**	± 1.1092	0.081277	**1.447**	± 1.0486	0.59667	**1.079**	± 0.758	0.86228	**1.299**	± 0.7483	0.63386	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	13860	IG 1058	**3.013**	± 1.1586	0.024078	**1.711**	± 0.7588	0.1541	**1.149**	± 0.3927	0.49824	**1.305**	± 0.4707	0.41321	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATGAAATATTTAT
plasmid_lp21	13861	IG 1059	**1.156**	± 0.6435	0.708656	**0.54**	± 0.3551	0.20066	**1.106**	± 0.5462	0.76667	**1.072**	± 0.3818	0.74906	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13872	IG 1060	**3.095**	± 1.6723	0.118597	**1.995**	± 0.6224	0.03846	**1.313**	± 0.6556	0.31365	**1.395**	± 0.5634	0.27825	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	13894	IG 1061	**0.512**	± 0.3174	0.299285	**0.514**	± 0.3577	0.3305	**0.941**	± 0.4089	0.56526	**1.026**	± 0.5771	0.77351	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	13919	IG 1062	**1.711**	± 0.343	0.043465	**0.985**	± 0.1903	0.89433	**1.055**	± 0.2163	0.5975	**1.121**	± 0.313	0.55502	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	13921	IG 1063	**1.829**	± 0.7436	0.023323	**1.369**	± 0.7098	0.14087	**1.232**	± 0.4788	0.40898	**1.06**	± 0.4906	0.7067	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	13922	IG 1064	**1.199**	± 0.7651	0.608008	**0.598**	± 0.5059	0.4824	**1.08**	± 0.6302	0.84025	**1.009**	± 0.4636	0.97217	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	13952	IG 1065	**2.522**	± 1.3128	0.003362	**1.953**	± 1.2403	0.04691	**0.792**	± 0.4042	0.53543	**0.755**	± 0.6546	0.58728	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATAAATAGAT
plasmid_lp21	13967	IG 1066	**2.455**	± 1.4602	0.011177	**1.061**	± 0.6007	0.86672	**1.199**	± 0.7046	0.66485	**1.057**	± 0.6607	0.57937	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	13984	IG 1067	**1.989**	± 0.7217	0.132718	**1.445**	± 0.4843	0.19557	**1.734**	± 0.8806	0.23362	**1.842**	± 0.8697	0.18907	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	14018	IG 1068	**4.028**	± 1.1615	0.023682	**2.198**	± 1.3152	0.27505	**1.365**	± 1.0182	0.52761	**1.842**	± 1.413	0.43634	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	14047	IG 1069	**2.500**	± 0.7938	0.046913	**1.353**	± 0.7985	0.55846	**0.787**	± 0.22	0.38995	**1.1**	± 0.3189	0.65439	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTAT
plasmid_lp21	14048	IG 1070	**1.238**	± 0.9179	0.499085	**0.656**	± 0.4688	0.51317	**1.122**	± 0.6475	0.65146	**1.098**	± 0.4209	0.6103	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	14059	IG 1071	**2.664**	± 1.3201	0.109475	**1.682**	± 0.5635	0.02666	**1.158**	± 0.4851	0.40663	**1.192**	± 0.4684	0.59112	AATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	14081	IG 1072	**0.526**	± 0.3556	0.351569	**0.521**	± 0.3829	0.36572	**0.948**	± 0.4609	0.72373	**0.984**	± 0.5784	0.71259	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	14082	IG 1073	**3.462**	± 2.1803	0.035082	**2.188**	± 2.4932	0.35663	**1.654**	± 0.9918	0.24371	**1.408**	± 0.9777	0.05272	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	14106	IG 1074	**1.709**	± 0.3488	0.016814	**1.032**	± 0.2307	0.73854	**1.073**	± 0.2523	0.42633	**1.141**	± 0.3402	0.45096	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTTTT
plasmid_lp21	14108	IG 1075	**1.850**	± 0.7017	0.013123	**1.398**	± 0.7336	0.16357	**1.257**	± 0.4735	0.22895	**1.125**	± 0.5041	0.47463	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTATTT
plasmid_lp21	14109	IG 1076	**1.171**	± 0.6358	0.534559	**0.618**	± 0.4565	0.42908	**1.098**	± 0.5331	0.7432	**1.092**	± 0.5193	0.77114	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	14139	IG 1077	**1.887**	± 0.5976	0.002269	**1.508**	± 0.9727	0.34767	**0.578**	± 0.2537	0.2645	**0.62**	± 0.4356	0.32638	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATA
plasmid_lp21	14154	IG 1078	**2.310**	± 1.3876	0.070785	**0.951**	± 0.4016	0.86524	**1.048**	± 0.4555	0.88051	**0.899**	± 0.5672	0.63742	AACCACTTTTACTTATTCTTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	14171	IG 1079	**1.699**	± 0.7723	0.241085	**1.185**	± 0.2925	0.39304	**1.313**	± 0.6867	0.51497	**1.474**	± 0.9257	0.43491	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	14205	IG 1080	**3.274**	± 0.8825	0.041278	**1.709**	± 1.0437	0.38219	**1.343**	± 0.7687	0.48821	**1.553**	± 1.1553	0.52877	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	14234	IG 1081	**2.777**	± 0.7045	0.007604	**1.775**	± 0.8586	0.23014	**0.999**	± 0.2287	0.99531	**1.182**	± 0.3284	0.49311	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTAT
plasmid_lp21	14235	IG 1082	**1.149**	± 0.5814	0.642251	**0.598**	± 0.3913	0.31595	**1.057**	± 0.4876	0.84975	**0.983**	± 0.4195	0.94917	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	14269	IG 1083	**4.194**	± 2.5134	0.030085	**2.786**	± 2.7197	0.23945	**1.819**	± 0.9926	0.23449	**1.672**	± 1.0581	0.02639	CTTATTCTTTATAAAATATTTATTTTTATGATTTATGTAGTCCACTAAACT
plasmid_lp21	14297	IG 1084	**1.747**	± 0.9627	0.135356	**1.331**	± 0.5694	0.19452	**1.416**	± 0.8993	0.43561	**1.919**	± 1.3579	0.18667	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	14331	IG 1085	**3.255**	± 0.811	0.036452	**1.614**	± 0.6384	0.22025	**1.493**	± 0.9136	0.45605	**1.526**	± 1.2203	0.51952	AGTAAAAGTGGTTTAGTTTAGTGGACTACATAAATCATAAAAATAAATATT
plasmid_lp21	14360	IG 1086	**3.257**	± 0.9697	0.04407	**2.053**	± 0.6421	0.08151	**1.237**	± 0.2076	0.25964	**1.426**	± 0.424	0.27406	TGTAGTCCACTAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTAT
plasmid_lp21	14424	IG 1087	**1.359**	± 0.6012	0.199218	**0.621**	± 0.4871	0.464	**1.158**	± 0.5924	0.64194	**1.061**	± 0.422	0.77487	TAAATCATAAAAATAAATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTT
plasmid_lp21	14454	IG 1088	**2.142**	± 1.1461	0.019305	**2.265**	± 1.829	0.22129	**0.574**	± 0.3264	0.32751	**0.793**	± 0.6092	0.62823	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATCATATAAATAGAT

plasmid_lp21	14486	IG 1089	**1.633**	± 0.9219	0.311729	**1.065**	± 0.5112	0.44951	**1.284**	± 0.763	0.49071	**1.36**	± 0.701	0.16587	TGTAGTCCAGTAAACTAAACCACTTTTACTTATTCTTTATAAAATATTTAT
plasmid_lp21	14498	IG 1090	**1.808**	± 2.4752	0.632432	**2.065**	± 1.8215	0.42978	**0.597**	± 0.2948	0.18216	**1.391**	± 0.6351	0.46132	AATAGATATTTTATAAAGAATAAGTAAAAGTGGTTTAGTTTTGGAGTGTAT
plasmid_lp21	14520	IG 1091	**0.520**	± 0.3314	0.316184	**0.52**	± 0.3365	0.31974	**0.986**	± 0.4207	0.91695	**1.013**	± 0.5653	0.84628	AGTAAAAGTGGTTTAGTTTTGGAGTGTATAAATCATAAAAATAAATATTTT
plasmid_lp21	14545	IG 1092	**1.964**	± 0.5169	0.03481	**1.109**	± 0.235	0.27363	**1.137**	± 0.311	0.25749	**1.158**	± 0.312	0.36106	CACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTTAT
plasmid_lp21	14547	IG 1093	**1.839**	± 0.95	0.071128	**1.189**	± 0.6902	0.1087	**1.127**	± 0.5007	0.55266	**0.968**	± 0.5535	0.83505	TACACTCCAAAACTAAACCACTTTTACTTATTCTTTATAAAATATCTATTT
plasmid_lp21	14578	IG 1094	**3.142**	± 1.7752	0.068781	**1.989**	± 1.5464	0.23225	**0.975**	± 0.4796	0.9065	**1.196**	± 0.6343	0.09	ATAAGTAAAAGTGGTTTAGTTTACTGGACTACATAAATATGACATAATTAA
plasmid_lp21	14593	IG 1095	**4.512**	± 2.7672	0.091998	**1.598**	± 0.8707	0.10125	**1.754**	± 1.3311	0.28341	**1.976**	± 1.1957	0.162	AACCACTTTTACTTATTATTTATAAAATATTTATTTTTATGATTTATACAC
plasmid_lp21	14644	IG 1096	**6.934**	± 5.8395	0.217531	**1.596**	± 0.4712	0.0318	**1.606**	± 1.0636	0.43941	**1.732**	± 0.9163	0.24041	TATATCCTCCACATACTTAATTATGTCATATTTATGTAGTCCAGTAAACTA
plasmid_lp21	15138	BB_U06	**3.602**	± 3.7185	0.195312	**1.034**	± 1.4215	0.97876	**0.784**	± 0.8094	0.75487	**2.138**	± 2.8954	0.26734	TCTTGCTTTACAAATTCATATAATTCTTTATCCCTCATAAAAATTCTAATA
plasmid_lp21	15341	IG 1097	**2.682**	± 1.9106	0.085289	**1.657**	± 1.7229	0.37715	**0.957**	± 0.5154	0.91437	**1.124**	± 0.8996	0.54085	AAGATACTATGATCGAAATACTTAAAACCATAAAAAGAACCGAAATTAAAG
plasmid_lp21	16004	BB_U08	**3.161**	± 2.2506	0.078341	**1.468**	± 1.3268	0.31417	**1.119**	± 0.7568	0.64113	**1.304**	± 1.305	0.49088	TTTCTACAACAACTTGATTATATGTTTTTTCCGAATTTATAAGTTCTTTAT
plasmid_lp21	16145	IG 1098	**1.945**	± 1.0689	0.243036	**1.455**	± 0.691	0.39935	**0.973**	± 0.4148	0.92903	**1.115**	± 0.4916	0.75898	TATTACTAATAATGGATAATATTATTACAACAATTTAATAAATTAGCTAAT
plasmid_lp21	16146	IG 1099	**3.452**	± 1.6512	0.09494	**2.048**	± 1.7308	0.35029	**1.108**	± 0.2972	0.23821	**1.149**	± 0.4067	0.22194	TATATATCTAGATTTTCTTTTAAGAATTTGGTTTGTTAGGCAATATTAAGA
plasmid_lp21	16191	IG 1100	**3.393**	± 3.5929	0.280637	**1.487**	± 2.3339	0.71187	**1.494**	± 0.8857	0.42194	**0.817**	± 0.8407	0.75368	ATATTGCCTAACAAACCAAATTCTTAAAAGAAAATCTAGATATATATATTA
plasmid_lp21	16312	BB_U09	**0.816**	± 0.3336	0.552261	**1.897**	± 0.9352	0.23934	**1.441**	± 0.8475	0.16769	**1.113**	± 0.4917	0.77599	TAACATACCAGTTCCTATTTTACCTACATAAAATCTGTGAACTCCTAAATA
plasmid_lp21	16356	BB_U09	**3.254**	± 1.6852	0.089815	**1.766**	± 1.7494	0.55176	**1.363**	± 0.7849	0.10779	**0.691**	± 0.4791	0.53245	GGAGTTCACAGATTTTATGTAGGTAAAATAGGAACTGGTATGTTATACCTA
plasmid_lp21	16405	BB_U09	**0.398**	± 0.2592	0.059089	**1.394**	± 1.0561	0.64412	**0.405**	± 0.3454	0.00805	**0.444**	± 0.4998	0.28633	GTTTTCGGTTTGTTTATTTCTGACCCCGCAAGAAATACAAATCTCAGCATC
plasmid_lp21	16602	IG 1101	**2.618**	± 2.5347	0.222421	**1.601**	± 1.3155	0.22046	**0.689**	± 0.5569	0.40413	**0.969**	± 0.9876	0.94276	GTTGGTATTCCTTATTGAACAACTAAAAAAAGAAACAAATATTGAAATTCT
plasmid_lp21	16719	BB_U10	**4.333**	± 6.0373	0.17872	**1.443**	± 1.618	0.58545	**1.103**	± 1.5296	0.61471	**1.592**	± 1.7713	0.27423	TATGCCAAATATTTTGTTGTATTTTATTTTTTTTTGGTTATTCAAATATTC
plasmid_lp21	16720	BB_U10	**2.860**	± 2.048	0.14962	**1.737**	± 0.8001	0.02621	**1.156**	± 0.6028	0.43315	**1.369**	± 0.5849	0.01559	TATTATCTTGAATTACTAGAAATAATAAAAAATAGAAAACATGATCTAAAT
plasmid_lp21	16868	IG 1102	**0.727**	± 0.7854	0.489914	**0.334**	± 0.4867	0.03513	**1.289**	± 1.1083	0.63849	**0.686**	± 0.5662	0.20825	TGGAATAATTCGTATTTTTGAACTCAATTTTCTGCACTAATCTAAATAAAC
plasmid_lp21	17219	BB_U11	**3.208**	± 1.6741	0.070227	**1.592**	± 0.7476	0.26533	**1.207**	± 0.5843	0.43049	**1.025**	± 0.4839	0.91544	GATACAGTGGCAATAAGAATACCCAAAAATAAAACCGCATTAAATTTAATT
plasmid_lp21	17574	BB_U11	**5.771**	± 5.1582	0.130802	**2.428**	± 2.548	0.33781	**1.77**	± 1.2953	0.2538	**1.71**	± 1.7646	0.44085	TAAGAAAACATTTTTTTTAAGTCTATTTTTGTTTCCTTTGCATAATTTACT
plasmid_lp21	17640	BB_U11	**3.077**	± 3.6687	0.386232	**0.461**	± 0.8487	0.06067	**0.822**	± 0.9053	0.73678	**0.091**	± 0.1687	0.09984	TTCGTTTTTAAATATTTTCTTATGTTATCCCCGCGTTTAAATGTATGGACA
plasmid_lp21	17714	BB_U11	**3.684**	± 2.8674	0.197024	**1.787**	± 1.5138	0.36895	**1.277**	± 0.6643	0.2833	**1.264**	± 0.7939	0.4177	TAATATTTTTTTTATCCCATAAAAAACTAAAAAAATAAAATTTAAAAGTGT
plasmid_lp21	17717	BB_U11	**0.785**	± 0.412	0.222236	**0.439**	± 0.1926	0.15411	**0.295**	± 0.1718	0.15245	**0.551**	± 0.411	0.34212	TTATTCGATTCTTTAATAGAATATGCAGAAAATCTTTATAAAGAGCTAGTA
plasmid_lp21	17919	BB_U12	**1.903**	± 1.9165	0.467627	**3.017**	± 3.9348	0.30347	**0.655**	± 0.5987	0.4082	**0.406**	± 0.531	0.33094	TGTTTCCCATATATAATGGAAAACATTTTCGAGTACTTAAAATTAAATGCC
plasmid_lp21	18212	BB_U12	**1.476**	± 0.2854	0.123679	**1.221**	± 0.2916	0.38449	**1.061**	± 0.3052	0.72832	**0.944**	± 0.1697	0.69524	TTTATGTCTTGATGATGTAGATTTTTTTAAACTTTTGTATGTGCTTGATAA
plasmid_lp21	18444	IG 1103	**2.632**	± 2.5585	0.307889	**2.355**	± 2.6152	0.4148	**0.928**	± 0.4687	0.7547	**1.208**	± 0.9249	0.68036	TTATCTATTATTGTAATATACAAGATTCACGTTTTGTATGTTGCAGTAAAG
plasmid_lp25	835	BB_E02	**2.284**	± 1.0511	0.081724	**1.984**	± 1.3322	0.23589	**0.856**	± 0.3392	0.02775	**0.912**	± 0.3171	0.29937	AATGATGAGAAAACACCAATATCACTTTATAAAAAATTATTTATTATATCT
plasmid_lp25	957	BB_E02	**3.051**	± 1.4666	0.00448	**2.31**	± 1.8379	0.19837	**1.076**	± 0.4738	0.72791	**1.024**	± 0.5418	0.76219	AAGATAACCAATATCAAACCGAAAGAGTATTTTATAGAGCAATTGCAAGCA
plasmid_lp25	1487	BB_E02	**0.770**	± 0.7307	0.616776	**4.256**	± 4.7032	0.25819	**0.742**	± 0.6107	0.68257	**0.616**	± 0.4807	0.51147	GTTAAGTTTATAGCGAGCAAATATATGTTTTCTTAGTATTCTAGAACTAGA
plasmid_lp25	1507	BB_E02	**1.753**	± 0.9427	0.284113	**1.475**	± 1.0599	0.57723	**0.957**	± 0.9193	0.95715	**0.782**	± 0.4894	0.67183	TTTGCTCGCTATAAACTTAACTATATTTATCAATTTGAAAACAAAAAAAGA
plasmid_lp25	1928	BB_E02	**1.327**	± 0.4891	0.04748	**0.959**	± 0.5236	0.8021	**0.101**	± 0.178	0.02258	**0.679**	± 0.8327	0.65789	GCTACTTAATTTTCTAATTTTTTCTATTTTTTCTTTATCTTCACTAGAAGT
plasmid_lp25	3901	BB_E02	**1.894**	± 1.4544	0.176353	**2.457**	± 1.9343	0.0996	**1.037**	± 0.7598	0.93997	**1.363**	± 1.168	0.24713	CTCTAGACTCCACTCCTTCTATTTGACCGGCTTTTTGTTGTTCTACTGAAT
plasmid_lp25	4450	IG 1104	**3.093**	± 0.7706	0.014484	**1.848**	± 1.3627	0.43042	**0.889**	± 0.5052	0.55791	**1.208**	± 0.5139	0.6418	AGGCTTCCGGTAATACTTGTCTAAATAAGTAAAATATTTTTTTCTTATAAA
plasmid_lp25	4486	IG 1105	**2.279**	± 1.3142	0.064929	**1.362**	± 0.732	0.10727	**0.894**	± 0.5022	0.59469	**0.861**	± 0.6252	0.69595	GAGATGATTCTATTGATATCATCAAAAAGTATATTCAAAAACAAAACAAAT
plasmid_lp25	4683	IG 1106	**1.235**	± 0.9656	0.460181	**0.984**	± 1.0364	0.9608	**0.98**	± 0.6901	0.93503	**1.068**	± 0.5961	0.83553	ATTTTAATTCAAAATAATAATATTACAATTTAATAATAAAAATCAAATAAT
plasmid_lp25	4909	IG 1107	**2.650**	± 1.6352	0.021966	**1.739**	± 1.4412	0.25497	**1.075**	± 0.6476	0.89247	**1.408**	± 0.7247	0.29082	CTCACTGGCAACTATGTTCAATATTCCTCAAATGGCTATAATAAAGGAATA
plasmid_lp25	5003	IG 1108	**1.603**	± 0.8135	0.105377	**1.306**	± 0.4122	0.16199	**0.86**	± 0.3208	0.54004	**1.109**	± 0.5483	0.54578	GATATGGAAAGTGCATCGGCAGCTTACATAGCCTATAATTTCAATATTCCT
plasmid_lp25	5011	IG 1109	**2.483**	± 1.6755	0.179095	**3.492**	± 3.3406	0.30756	**1.401**	± 0.8205	0.43806	**1.265**	± 1.0074	0.75153	ATTGTATTTTCAAATTCTTCAAAAATATTTTAGATATATTGATTTTCATAA
plasmid_lp25	5049	IG 1110	**2.479**	± 1.9367	0.221657	**2.342**	± 2.8386	0.4415	**0.901**	± 0.5713	0.6904	**1.096**	± 0.5556	0.62075	TTGATTTTCATAATTAATAGATCAGTCTTCCAACAATTATTAACCCTAAAT
plasmid_lp25	5155	IG 1111	**2.548**	± 2.0206	0.225707	**1.738**	± 1.4676	0.35617	**0.691**	± 0.4718	0.58324	**1.286**	± 0.7679	0.49861	TCAAATAAACATTTGCAATAAAGGCTTCTAAATCAAGATAGGCAGGACAAT
plasmid_lp25	5223	IG 1112	**2.227**	± 1.71	0.116546	**0.803**	± 0.5206	0.35302	**0.299**	± 0.1686	0.15373	**1.24**	± 0.8404	0.57422	CAAAGCTAAAAATTATCTAAAAAGCAATTTTTCATACTACATGTTCCAGAT
plasmid_lp25	5728	BB_E05	**2.139**	± 1.9059	0.056922	**1.382**	± 1.2125	0.53476	**0.696**	± 0.6882	0.44727	**0.773**	± 0.7309	0.74701	TGGTTGTTAGCCCGGATGTTTAAAGTTTTTTGAGATTTTTAAATATCATTA
plasmid_lp25	6031	IG 1113	**2.071**	± 1.1669	0.050691	**1.802**	± 1.4979	0.27778	**0.792**	± 0.4656	0.03439	**1.099**	± 0.6569	0.31011	AGAAGAGTTTAAAAAGTTGTAATATTACAAATACAAGCTAAAAAATTGTAT
plasmid_lp25	6081	IG 1114	**3.040**	± 2.0564	0.174787	**1.236**	± 0.5903	0.28648	**0.985**	± 0.4291	0.96132	**1.058**	± 0.5386	0.82281	AATCTTAAAAGTTTCTAAATCTAATACTGAATATTACGATTTATTTTTAGT
plasmid_lp25	6098	IG 1115	**1.926**	± 1.4359	0.133272	**1.582**	± 1.344	0.26677	**0.954**	± 0.7109	0.49261	**1.152**	± 1.0005	0.55816	AATCTAATACTGAATATTACGATTTATTTTTAGTTATCATATAATTTTAAA
plasmid_lp25	6107	IG 1116	**1.470**	± 1.6804	0.563455	**1.562**	± 1.8689	0.63418	**0.837**	± 1.0586	0.51711	**0.603**	± 0.7794	0.0494	CTGAATATTACGATTTATTTTTAGTTATCATATAATTTTAAAAAAAAAATA

plasmid_lp25	6139	IG 1117	**2.799**	± 1.1666	0.042014	**2.14**	± 1.0798	0.22413	**0.758**	± 0.5823	0.50083	**0.654**	± 0.6645	0.58776	TAATTTTAAAAAAAAAATATTATATTCAACCTTATTAACTTCTTTATTTAA
plasmid_lp25	6736	IG 1118	**2.750**	± 2.0393	0.118976	**2.451**	± 2.7558	0.25359	**0.951**	± 0.862	0.88126	**1.038**	± 0.7772	0.93112	TATAAATTATATTTACAATATTTTCTACAAATTCTAAAAAGTTAACAGGTC
plasmid_lp25	6913	BB_E09	**2.788**	± 2.3058	0.211368	**2.834**	± 2.5907	0.25741	**1.215**	± 0.5047	0.29676	**1.942**	± 1.2115	0.15053	TATATTTCGAATATATTTTTATATATACCATTATTTTATTCGTGTTTTTTG
plasmid_lp25	6914	BB_E09	**1.890**	± 0.6446	0.090217	**1.797**	± 0.7128	0.11882	**1.118**	± 0.2602	0.22906	**1.04**	± 0.2962	0.8679	TATATGTCTTTTTGCATAAAATTTCTCCTATTACCTTGATCAAAGTCAAGA
plasmid_lp25	7082	BB_E09	**2.171**	± 1.4432	0.285266	**2.179**	± 2.9575	0.56961	**1.135**	± 0.5696	0.73744	**0.883**	± 0.6375	0.67058	ATATTTGTCTTACTTTTAAGGAACCCGAATTAAATGAAATAAAAGAAGGAG
plasmid_lp25	7085	BB_E09	**2.099**	± 1.7927	0.397553	**1.917**	± 0.9125	0.23483	**0.824**	± 0.2666	0.22346	**0.824**	± 0.7205	0.7313	TTTGTCTTACTTTTAAGGAACCCGAATTAAATGAAATAAAAGAAGGAGAGG
plasmid_lp25	7186	BB_E09	**0.423**	± 0.2621	0.031177	**2.016**	± 1.1133	0.20531	**0.373**	± 0.3394	0.02111	**0.805**	± 0.8342	0.76234	AATCACCAGATTTTGCCCATGTAACATAACCATTTGCAAGTATTTCAAACA
plasmid_lp25	7248	BB_E09	**1.259**	± 0.6169	0.254837	**1.342**	± 0.6246	0.1538	**1.047**	± 0.5425	0.89774	**1.285**	± 0.7256	0.20532	AGAATACTTAAGCTCTCTAAGATCTTCAATTAAATTATTATTTTTATCTTT
plasmid_lp25	7903	IG 1119	**2.313**	± 0.7923	0.009196	**1.9**	± 1.2476	0.21477	**0.965**	± 0.3247	0.79234	**1.083**	± 0.4305	0.22017	CTTTGGTTTTTTCAATACCAATACTTTTAAATCAACAAGTTAAAATACCTC
plasmid_lp25	8055	IG 1120	**4.555**	± 2.9229	0.062368	**2.897**	± 2.2125	0.16181	**1.276**	± 0.7513	0.08757	**1.698**	± 1.5329	0.34059	ATATTATTATATTAATAACATATACCTAGATTTTTACAAACTTAAAAGGAG
plasmid_lp25	8077	IG 1121	**1.174**	± 0.2826	0.490003	**0.845**	± 0.3022	0.13971	**1.065**	± 0.3721	0.56048	**1.108**	± 0.2808	0.13424	TACCTAGATTTTTACAAACTTAAAAGGAGCTGGGGTATAATATGGAAAAAC
plasmid_lp25	8555	IG 1122	**2.150**	± 2.2073	0.258318	**4.724**	± 6.1513	0.30257	**0.813**	± 0.924	0.68024	**1.33**	± 1.3734	0.64969	TATCTTCCCCTTACCATATTATTTTTGTTATGTGTTACAATAATTATCTCA
plasmid_lp25	9127	IG 1123	**0.454**	± 0.5489	0.260196	**0.675**	± 0.7223	0.12915	**0.656**	± 0.8527	0.24247	**0.875**	± 1.0921	0.84947	TTAATTCTCTAAATTTAGGCATTTTTTGAATTTCTTTTTTACTTCTATTTT
plasmid_lp25	9308	IG 1124	**2.238**	± 0.8738	0.049695	**1.813**	± 1.0378	0.20098	**0.981**	± 0.4209	0.8807	**1.2**	± 0.5541	0.37738	AAACGAATAACCTAGAAGAGGTGGCCAATTTGTTATTTAAAAACTTTAAAA
plasmid_lp25	9528	IG 1125	**2.804**	± 2.085	0.031963	**2.382**	± 2.7242	0.29315	**1.068**	± 0.7397	0.70538	**1.19**	± 1.0995	0.26102	GAATTAAAAACACACTGTTTTTAAAATTTTCAATTTAAATTAAAGATTGTA
plasmid_lp25	9579	BB_E16	**1.915**	± 0.9743	0.13279	**1.507**	± 0.8125	0.04395	**0.812**	± 0.3725	0.27103	**1.806**	± 1.542	0.31964	TTTTGGCAAAAAATTTTCTATATCTATTTTATATTCTCTGTCTTCATTAGA
plasmid_lp25	9769	BB_E16	**3.194**	± 1.2777	0.009078	**1.768**	± 1.4527	0.28873	**1.299**	± 0.5266	0.38119	**1.046**	± 0.481	0.64674	ACATTGGTGATCCGAATATAAATGAAAAGTTTTTTCATTTAGAATTTCCTT
plasmid_lp25	9989	BB_E16	**2.793**	± 1.4341	0.103438	**2.739**	± 2.2356	0.29267	**1.034**	± 0.611	0.92161	**1.427**	± 0.7545	0.18679	TAAGCTGTGATTTTATAAAAACCAATTCTTTCAAATTACTATCTTTAAAAA
plasmid_lp25	10044	BB_E16	**2.743**	± 2.5431	0.337182	**2.018**	± 1.5528	0.38803	**0.648**	± 0.7899	0.35729	**0.938**	± 0.8314	0.9348	TGTATAGGTTTCATCAACAAAAACATTATCATCAAACTTTTCAACAATTTT
plasmid_lp25	10723	IG 1126	**2.505**	± 1.2192	0.102696	**1.638**	± 1.2377	0.40099	**0.838**	± 0.5965	0.53047	**1.245**	± 0.8789	0.6047	TAATAATAAAAGGTATGAAAGTAATAATATTGTTAATTTCTTTTTTATTAA
plasmid_lp25	10871	IG 1127	**1.730**	± 1.4951	0.531309	**1.161**	± 0.4114	0.63042	**0.817**	± 0.6264	0.62928	**0.828**	± 0.4117	0.64399	GACCGATCTTAAAAAAGATCCTATAAGCTGCTATCATTAGATAAAGCAATA
plasmid_lp25	11084	IG 1128	**1.824**	± 1.442	0.413514	**0.636**	± 0.5455	0.58783	**0.901**	± 1.2404	0.90877	**0.851**	± 0.8681	0.48135	TAAAAGATTTTTCAATATCGATTTTTTTGTGATTTTATTATTATTGGTATA
plasmid_lp25	11307	IG 1129	**2.498**	± 0.8653	0.090441	**1.658**	± 0.3997	0.09183	**0.997**	± 0.1546	0.97432	**1.33**	± 0.2937	0.15534	TTTATTTATAAATTATCTTTTAAAAAATTTACTTCACTTTATTGATTATTT
plasmid_lp25	11520	BB_E18	**3.728**	± 1.2772	0.049863	**1.853**	± 0.5288	0.12436	**0.959**	± 0.245	0.84459	**1.323**	± 0.3361	0.0014	AGGAGTGTAAAAAATATAATTAAAAATTTAATATAGATAATTTTGTGTGCA
plasmid_lp25	11614	BB_E18	**1.483**	± 2.06	0.089368	**0.422**	± 0.4882	0.50872	**0.943**	± 1.3208	0.71118	**1.141**	± 1.6842	0.15776	TATTACAAATCAAAAGCAAGATTTACTAGTTTTTTGCTAGAAAAATTACTT
plasmid_lp25	11617	BB_E18	**1.739**	± 1.475	0.311777	**1.002**	± 0.5282	0.9965	**0.649**	± 0.3311	0.19034	**0.832**	± 0.3488	0.62042	TGTATGCATCTTCTGTTTTAAGCTGAAATCTTAATGGCCTGATAAAATTTC
plasmid_lp25	11621	BB_E18	**1.945**	± 2.2835	0.543205	**2.286**	± 3.4706	0.48613	**0.424**	± 0.7102	0.38311	**0.741**	± 0.8032	0.69093	TGCATCTTCTGTTTTAAGCTGAAATCTTAATGGCCTGATAAAATTTCGATT
plasmid_lp25	14855	IG 1130	**1.658**	± 1.3589	0.283571	**2.856**	± 3.4011	0.37055	**0.779**	± 0.3666	0.32278	**1.193**	± 0.6724	0.5648	AATGTAACTATGAATCTTAAAATTATTCTTACTAAGAAGTAAAAACCAAGG
plasmid_lp25	14861	IG 1131	**2.223**	± 1.0901	0.035757	**1.671**	± 1.1354	0.21411	**0.996**	± 0.4365	0.98381	**1.13**	± 0.5108	0.09271	ACTATGAATCTTAAAATTATTCTTACTAAGAAGTAAAAACCAAGGAAAAGG
plasmid_lp25	15049	BB_E22	**2.147**	± 2.2794	0.45596	**2.552**	± 2.7942	0.29175	**1.306**	± 1.0807	0.69233	**1.852**	± 1.3569	0.38024	ATATATAAAAAATCATTCAATAGTATTTAATTAGAAAACTACTATTTATAA
plasmid_lp25	15167	BB_E22	**4.223**	± 2.6658	0.086037	**1.863**	± 1.8274	0.50124	**1.348**	± 0.8588	0.44096	**1.241**	± 0.6744	0.51852	ATAACAGATGCTACAAGAAGCATAACATCTACTCCTGAATTAATAATTCAG
plasmid_lp25	15562	IG 1132	**2.605**	± 2.1895	0.284493	**1.595**	± 1.4338	0.52324	**0.121**	± 0.2109	0.06774	**0.202**	± 0.3528	0.01052	CTGTTAGATACTGGCAAAGTGCCTGATTCTAAAAAATCATTTTGTATATCT
plasmid_lp25	15685	IG 1133	**1.039**	± 0.7161	0.913943	**0.874**	± 1.0719	0.89914	**1.35**	± 1.0336	0.06566	**1.146**	± 1.097	0.20821	TATTCTGTTATTAAATATCTCCTAAGGAGGATTTTATTTTTAAAATAATAG
plasmid_lp25	15697	IG 1134	**2.443**	± 1.119	0.033712	**1.895**	± 1.1573	0.14084	**0.994**	± 0.3839	0.95461	**1.143**	± 0.492	0.01363	TATTAGGCAATATCCCTTGATACAACTTTTGTCAATAATTATATATTTGGG
plasmid_lp25	15938	IG 1135	**0.739**	± 0.6689	0.687494	**0.675**	± 0.8645	0.70295	**0.672**	± 0.4939	0.41625	**0.574**	± 0.4598	0.49896	TTATAATAATATTAATTATAGTATAATATCGAAAATTGTTTACCATATTGT
plasmid_lp25	16170	IG 1136	**2.496**	± 1.4858	0.168929	**2.122**	± 2.3389	0.45732	**0.672**	± 0.846	0.47284	**0.812**	± 0.2343	0.26108	AAGCCCTAATAGCAAGGTATTTTCCGATCTATCTAAGTTAAACTATTGAAA
plasmid_lp25	16421	IG 1137	**4.134**	± 3.372	0.027816	**3.878**	± 4.4963	0.22079	**1.057**	± 0.783	0.86692	**2.109**	± 2.1238	0.13326	CATATATTTTAAATAAAAGTGATTTATAAAAATAAAAAATAAAAAAGAGAA
plasmid_lp25	16503	IG 1138	**2.228**	± 0.9168	0.024094	**2.137**	± 1.8533	0.31583	**0.726**	± 0.2379	0.1518	**0.809**	± 0.473	0.35633	AACTAAAAAAATATGCAAAAAATGTAATTTTGGTAATGAAAACACTTATTGG
plasmid_lp25	16859	IG 1139	**4.743**	± 1.9082	0.002005	**3.534**	± 3.095	0.22041	**0.72**	± 0.4417	0.31242	**1.471**	± 0.7128	0.1905	TTTAAAAAAGATTAATAATTAACTTTTAAAAATAAATTCACAATAAAATAG
plasmid_lp25	17120	IG 1140	**1.323**	± 1.1352	0.503824	**1.315**	± 0.8617	0.13138	**0.871**	± 0.6184	0.3487	**0.97**	± 0.6306	0.76245	TCCTTTAAAAAAAAATAAAGAATTCTATATACCGTTTTCGATTATGCCTTTC
plasmid_lp25	17202	IG 1141	**1.902**	± 1.2843	0.357187	**1.001**	± 0.3237	0.99535	**0.755**	± 0.2063	0.22419	**0.954**	± 0.2031	0.66186	TGTATGCATCTTCTGTTTTAAGCTGAAATCTTAATGGCCTGATAAAATTTC
plasmid_lp25	17205	IG 1142	**1.345**	± 1.8202	0.032261	**0.373**	± 0.4294	0.46881	**0.831**	± 1.125	0.487	**1.085**	± 1.5875	0.15614	TATTACAAATCAAAATCAAGATTTACTAGTTTTTTGCTAGAAAAATTACTT
plasmid_lp25	17439	IG 1143	**0.957**	± 0.7222	0.793653	**0.885**	± 0.837	0.66034	**0.945**	± 0.5457	0.32983	**1.073**	± 0.5632	0.47504	TTTAAATCATAAAATGTCAAAAAAAATCGGGGTAGTAAAGTAAAAAGTAAAA
plasmid_lp25	17972	IG 1144	**2.893**	± 1.6882	0.170438	**2.527**	± 1.9189	0.27912	**0.819**	± 0.3867	0.42967	**1.388**	± 0.7336	0.38798	TTTATAAAGTTATTTTGTTTAAATTTCATATAGAATTTTCATTTTTTGAAT
plasmid_lp25	18136	IG 1145	**1.323**	± 0.5261	0.05109	**0.932**	± 0.742	0.9184	**1.111**	± 0.6277	0.46307	**1.313**	± 0.8235	0.25615	GAAAAAAAATCATTAAATTTTAATAATCATATAAGTAAATTAAATAATAAG
plasmid_lp25	18137	IG 1146	**1.422**	± 0.5235	0.048291	**1.037**	± 0.8279	0.95701	**1.23**	± 0.6673	0.27738	**1.578**	± 0.9741	0.21679	AAAAAAAATCATTAAATTTTAATAATCATATAAGTAAATTAAATAATAAGA
plasmid_lp25	18414	IG 1147	**1.391**	± 1.0763	0.573152	**1.959**	± 1.9536	0.47885	**1.91**	± 1.5784	0.29233	**1.942**	± 1.3612	0.2002	GTTTTATTGCTAGTTGTTGTAAAACTAAATTAACTTATAGATATTTGAGCT
plasmid_lp25	18569	IG 1148	**2.879**	± 1.171	0.052618	**1.97**	± 1.9802	0.43664	**0.785**	± 0.2918	0.31184	**1.1**	± 0.7177	0.84158	AATAAAGTTGGAATATCTTGTATTTTTATTGTTTGCATTTAATTGTCTTTA
plasmid_lp25	18747	IG 1149	**2.544**	± 2.415	0.110365	**1.699**	± 1.8035	0.20923	**0.973**	± 0.8657	0.88043	**1.074**	± 1.076	0.34438	CCTATATTTACATATATAAAGCTTAAAAGCAATTTAATTACATTGCACACT

plasmid_lp25	18754	IG 1150	**4.700**	± 5.4837	0.071451	**3.016**	± 3.0536	0.1085	**1.19**	± 1.259	0.75607	**1.874**	± 2.1892	0.24078	ATATATTCCTAAAGCTTGGTGGGATAATTATGAGGAAAAGTTTACTATGTC
plasmid_lp25	18798	IG 1151	**2.452**	± 1.0311	0.119589	**2.11**	± 0.704	0.03082	**1.044**	± 0.3243	0.85386	**1.2**	± 0.8176	0.67479	GTAAACTTTTCCTCATAATTATCCCACCAAGCTTTAGGAATATATTAAATA
plasmid_lp25	18913	IG 1152	**2.117**	± 1.5111	0.215737	**1.912**	± 1.5723	0.30549	**0.658**	± 0.4399	0.05851	**0.95**	± 0.4855	0.58607	TCTATAAAATCTAAAAATTCTTTAGCTTGTTTTTTTAAATCTTATTCTAAA
plasmid_lp25	19832	BB_E29	**1.938**	± 1.6302	0.341932	**2.393**	± 3.0211	0.47139	**0.866**	± 0.9683	0.81736	**1.118**	± 1.1605	0.69966	GTACACTTCCTATTCGGGTGTAAGTTTTATTGTTAACAGTTTACATAAGGC
plasmid_lp25	20049	BB_E29	**1.491**	± 0.5581	0.260427	**1.444**	± 0.6187	0.33258	**0.866**	± 0.3907	0.46827	**1.149**	± 0.4083	0.62911	CTTAAAAATGTCTATGGTTTTGAATGTTTAATGGTTCCTTATGTAGTTGAT
plasmid_lp25	20091	BB_E29	**3.303**	± 3.9062	0.099752	**2.495**	± 3.4505	0.23149	**1.184**	± 1.2866	0.57242	**0.945**	± 0.9688	0.91042	CATAAGGAACCATTAAACATTCAAAACCATAGACATTTTTAAGTATGTGAA
plasmid_lp25	20094	BB_E29	**1.127**	± 0.7361	0.604378	**0.659**	± 0.6035	0.63365	**1.071**	± 0.8893	0.07764	**1.225**	± 1.1308	0.23838	GTTGATCATTTAAAGCCAAGTCAATATTTGAAAGAAAAATTTGTAGCGACA
plasmid_lp25	20495	BB_E29	**1.613**	± 0.7215	0.025314	**1.037**	± 0.6348	0.90902	**1.426**	± 0.556	0.09746	**1.136**	± 0.4345	0.68728	TCATAACAAACAAATGGATACCTTGACAAGGTGGCATTCAGAGGTATGAGA
plasmid_lp25	20989	IG 1153	**1.543**	± 1.2013	0.160117	**1.179**	± 1.0922	0.83568	**0.438**	± 0.5136	0.13792	**0.856**	± 0.6136	0.80497	CATATTCAAAAGAAGAATATGCTATAAACAATTATAATCTAGGTGAAGATT
plasmid_lp25	20990	IG 1154	**3.419**	± 5.2267	0.106034	**4.327**	± 8.0973	0.30399	**0.35**	± 0.5812	0.41229	**1.32**	± 2.0924	0.26008	TGTAAATTCTTAAGCTTATTTAAAAGCTTTTTTCTTGTATAGTCAATTAGC
plasmid_lp25	21123	BB_E29a	**0.051**	± 0.0663	0.087565	**0.556**	± 0.5857	0.42685	**1.081**	± 0.6079	0.8305	**0.711**	± 0.5036	0.61661	GGTTATTTGGCAGCAGATTTATTTATTACTCTAAAAATAAAGGAGTTGTAG
plasmid_lp25	21214	BB_E29a	**3.568**	± 0.8758	0.036477	**1.695**	± 0.8947	0.29452	**1.102**	± 0.2512	0.32778	**1.248**	± 0.2135	0.01909	TTCTCAATTTCTAAAATATATTTTTTTATATCTTGGCTCTACTACAACTCC
plasmid_lp25	21923	IG 1155	**2.884**	± 0.5778	0.016415	**2.406**	± 1.314	0.17859	**0.934**	± 0.1926	0.57828	**1.269**	± 0.2786	0.07526	ATATTAATTCCAATAACATGACTTTAAAGGTTGCTTATTGACAATATGTTA
plasmid_lp25	22734	IG 1156	**1.615**	± 1.3632	0.463789	**2.091**	± 1.3104	0.22607	**0.418**	± 0.1904	0.17619	**0.759**	± 0.3378	0.51219	ATACTAATTATTTAATTATATTATTATTGCATTATATTATAGTTAAGGAGA
plasmid_lp25	23344	IG 1157	**3.730**	± 2.8901	0.163572	**3.323**	± 3.1523	0.26448	**1.005**	± 0.852	0.99192	**0.705**	± 0.6795	0.52769	AAGGTGTTTTCCCTTGTAATATTATTATATAGTCGATTTATAGTAGTTCGT
plasmid_lp28-1	17	BB_F001	**3.961**	± 1.9599	0.103139	**3.136**	± 1.032	0.00647	**2.206**	± 0.9545	0.08616	**3.242**	± 2.0572	0.20902	CATCTACTATTACAAATTTAATTTCAAATTTTTTTAATGAAAATGAGTCTT
plasmid_lp28-1	136	BB_F001	**1.143**	± 0.4463	0.25462	**1.836**	± 0.845	0.1915	**0.885**	± 0.4003	0.41724	**1.167**	± 0.5661	0.41872	CTTGTAAATTGCAAAAACAAATTATATCTAAAATTTTTTTTCTTGATTAGG
plasmid_lp28-1	1694	IG 1158	**0.757**	± 0.7183	0.023813	**2.457**	± 2.323	0.20104	**0.699**	± 0.4251	0.47183	**0.991**	± 0.7484	0.97536	CTAAACAACTAAAAATTATTCATTCTTTGATTACTAGGGCAAAAGAAACAC
plasmid_lp28-1	1873	BB_F02	**2.080**	± 0.8532	0.090949	**1.774**	± 1.6258	0.42718	**1.225**	± 0.5059	0.59992	**1.33**	± 0.5887	0.23104	GATTATTTTGATTGAGCTTTAAAGGTGCGAATGACTTGATATATTTGAGCT
plasmid_lp28-1	1907	BB_F02	**3.991**	± 1.5239	0.072635	**2.957**	± 0.5469	0.02319	**1.888**	± 0.5122	0.07247	**3.216**	± 1.8547	0.17915	CATCTACTATTACAAATTTAATTTCAAATTTTTTTAATGAAAATGAGTCTT
plasmid_lp28-1	2562	BB_F03	**1.320**	± 0.9992	0.484001	**1.076**	± 0.4613	0.84012	**1.16**	± 0.5949	0.31688	**1.242**	± 0.8986	0.5222	GTTCATTGTAATAATATCTTTTTGACAAATCTTGAGCTATTAGTTGTTCCA
plasmid_lp28-1	2656	IG 1159	**1.383**	± 0.9863	0.498975	**1.221**	± 1.113	0.77848	**1.427**	± 0.9218	0.30352	**0.863**	± 0.6258	0.82458	TTATGAAAAAAAATCAAAAAAACAAGTGCTCAGAAATAGAAAAAACACAAT
plasmid_lp28-1	2986	BB_F05	**0.975**	± 0.5424	0.688858	**2.053**	± 1.6404	0.26277	**1.111**	± 0.5476	0.20243	**1.187**	± 0.7689	0.48694	TTATAAAATTAATTACCCCCTTAAAGTGTTTTGTTCAACAATACAAGACTA
plasmid_lp28-1	3410	IG 1160	**1.642**	± 0.8743	0.274458	**3.421**	± 2.5356	0.20785	**1.707**	± 0.7152	0.16798	**1.63**	± 0.8152	0.1843	AGTGTCATGTCTTCTTTGAAGCTACACTAGCTAAGATTCTCTACTACTTAA
plasmid_lp28-1	3448	IG 1161	**2.248**	± 1.4727	0.200346	**0.975**	± 0.4194	0.94145	**1.586**	± 0.6581	0.19325	**1.547**	± 1.0197	0.37324	TTTTTGTTAAAATCCAAAAGCTTCCTTATTTATAAGTAAGTGTCATGTCTT
plasmid_lp28-1	3530	IG 1162	**0.916**	± 0.5094	0.86828	**1.037**	± 1.0863	0.91965	**0.521**	± 0.3929	0.25539	**0.327**	± 0.3607	0.1778	AATGAATTACTTTACCAGGGAGCTTAAAATATTTATCTTAGAAATAATGGA
plasmid_lp28-1	3623	IG 1163	**0.619**	± 0.8996	0.406834	**0.17**	± 0.2034	0.32118	**0.253**	± 0.299	0.39275	**1.325**	± 1.5062	0.72023	TTGTTACTATAACAAAAATTGAATCTTAAAAATTAACATATTACTTTAAAA
plasmid_lp28-1	3629	IG 1164	**0.969**	± 0.3288	0.332781	**1.299**	± 0.6062	0.27706	**0.782**	± 0.2182	0.23228	**0.793**	± 0.2166	0.20405	GTAACAATATAGTGCGTAACTAGAAAGAAACATTTAATTTTAAAAATTAAT
plasmid_lp28-1	3685	BB_F08	**1.075**	± 1.6795	0.951709	**0.128**	± 0.2281	0.11681	**1.097**	± 1.7253	0.90782	**1.986**	± 1.5262	0.34175	TAGGAGATGCTTATAAAGCTTAACAAACTTATTTTTACCAATATATATATA
plasmid_lp28-1	3700	BB_F08	**0.482**	± 0.3534	0.21945	**1.118**	± 0.7105	0.61188	**0.932**	± 0.7056	0.80014	**0.876**	± 0.6139	0.82417	AAGCTTAACAAACTTATTTTTACCAATATATATATATCTAATATCTCTTAT
plasmid_lp28-1	3729	BB_F08	**1.177**	± 0.6611	0.62672	**2.253**	± 1.8296	0.32987	**0.937**	± 0.2857	0.64032	**1.218**	± 0.2807	0.26203	TATATTGGTAAAAATAAGTTTGTTAAGCTTTATAAGCATCTCCTATAAGTA
plasmid_lp28-1	4315	BB_F0034	**1.474**	± 0.8138	0.3568	**2.595**	± 3.0178	0.43979	**1.089**	± 0.4061	0.6139	**1.111**	± 0.6153	0.73604	GCTTCAAGAGTTTCTTTAATAAGAGCATCTTTTTTTGAGTCTAAGTTTGTA
plasmid_lp28-1	4522	BB_F10	**0.817**	± 0.325	0.430001	**1.099**	± 1.2906	0.87359	**0.652**	± 0.4617	0.19757	**0.65**	± 0.3292	0.31433	AGATGGCTGGGCTTGAGGCTTATAGCATTTCCCATAAATTAAAAGATCTTG
plasmid_lp28-1	4675	BB_F10	**0.539**	± 0.6843	0.544289	**1.391**	± 1.3104	0.19375	**0.58**	± 0.7137	0.23463	**1.183**	± 1.6603	0.86999	AGACTACTAAGCTTTGTAATCTCATAAATAACATCTTTAAGAGATTGGTTT
plasmid_lp28-1	4890	BB_F10	**0.616**	± 0.5619	0.462245	**1.414**	± 1.2212	0.64892	**0.546**	± 0.2096	0.14493	**1.461**	± 1.3451	0.62569	GTTTAATGATAAGATAAGCTTGAGCTACCTTCTCTTTAGTAATCCCATCAA
plasmid_lp28-1	4936	BB_F10	**1.197**	± 0.5238	0.206306	**1.627**	± 1.2667	0.36873	**0.848**	± 0.245	0.23463	**1.013**	± 0.3217	0.93483	GCCTTGCTACTATACTTAATGACTTAGAAAAGGATGCCAAATCAATATAAC
plasmid_lp28-1	4985	BB_F10	**0.757**	± 0.5148	0.615862	**3.715**	± 2.2255	0.17575	**1.139**	± 0.6674	0.80191	**1.371**	± 1.3215	0.68935	ACTAGCACAACAATATCTTCTTATTTTAAAAAAGCCTAAGTACTTATATCT
plasmid_lp28-1	5024	IG 1165	**1.248**	± 1.887	0.718998	**0.44**	± 0.6759	0.5489	**1.572**	± 1.8685	0.31826	**1.065**	± 1.2021	0.86548	CTTAGGCTTTTTTAAAATAAGAAGATATTGTTGTGCTAGTTATATTGATTT
plasmid_lp28-1	5033	IG 1166	**2.349**	± 1.2529	0.097718	**2.541**	± 1.8545	0.11127	**1.624**	± 1.8584	0.47454	**1.472**	± 1.1833	0.3377	TCTTAGGCTTTTTTAAAAATTATCTTGCCTCTTAGACCATTCTTGATAATA
plasmid_lp28-1	5129	IG 1167	**0.982**	± 0.2716	0.187577	**1.005**	± 0.6625	0.98696	**0.676**	± 0.1787	0.1337	**0.975**	± 0.2626	0.79754	AGTGTACTTATCCATTTTAGCATTAATTTATTCTTAACAGTATTATTATTA
plasmid_lp28-1	5198	IG 1168	**0.961**	± 0.5688	0.793991	**2.206**	± 2.2112	0.28381	**1.005**	± 0.5176	0.98284	**0.952**	± 0.5739	0.86474	TAATCTTCTTCAAGAGAAATATATTATCAAGAAATTAAATAGACCTTAAAA
plasmid_lp28-1	5277	IG 1169	**1.392**	± 0.65	0.412481	**2.296**	± 1.4894	0.28527	**0.924**	± 0.532	0.84873	**1.611**	± 0.6919	0.15585	AAGTAATTTTGAATATATAGAAAAAATAATTTTAAGGTCTATTTAATTTCT
plasmid_lp28-1	6677	BB_F13	**0.950**	± 0.2437	0.790685	**1.776**	± 1.4182	0.35188	**1.001**	± 0.4797	0.99811	**0.829**	± 0.2997	0.10348	TTATCAAGAAATTAAAGAAACTTTGAAAAATATTTTTTCTTTATAATGAAA
plasmid_lp28-1	6714	BB_F13	**1.630**	± 1.0735	0.091104	**1.739**	± 1.2977	0.08354	**0.853**	± 0.5641	0.65329	**1.343**	± 1.2799	0.38506	TAACTAAAAGACTCGAACCTTCTTCAAGAGAAATATATTATCAAGAAATTA
plasmid_lp28-1	6742	BB_F13	**1.262**	± 0.5297	0.080321	**1.73**	± 1.0757	0.18983	**1.172**	± 0.4371	0.36911	**1.187**	± 0.6073	0.32579	CATTTTTATAATAGTATAAAAGTTCTTATAACTAAAAGACTCGAACCTTCT
plasmid_lp28-1	6770	BB_F13	**0.944**	± 0.6443	0.753752	**1.276**	± 0.7843	0.14184	**0.663**	± 0.3256	0.23625	**0.926**	± 0.4311	0.83409	TTCTTTATGAATCAGATTTTCTACTTCTTTAAGAATATTTCTATTTTTTAT
plasmid_lp28-1	7196	BB_F13	**2.855**	± 2.3375	0.200878	**2.389**	± 1.3295	0.00446	**1.148**	± 0.9582	0.67582	**3.668**	± 3.7808	0.24502	TGTTTCGGCGTCAGGAATATACTTGGTAAAATATGATGTTAAAGAATTCTG
plasmid_lp28-1	7718	BB_F14	**2.101**	± 1.1945	0.030135	**6.744**	± 4.2346	0.05972	**1.13**	± 1.1771	0.88697	**2.773**	± 1.4766	0.02637	AATTTTTTAAATTCTAGTTTCAGTCTTTGTTTTTTGCAGTTATTTCTAAAA
plasmid_lp28-1	7971	IG 1170	**0.042**	± 0.0436	0.025365	**0.698**	± 0.9584	0.71242	**0.032**	± 0.0561	0.0283	**0.246**	± 0.1735	0.01631	AATATGTAGCTTGTTTAAAGTAAAATAATTAAAGTTCTAGTTGTAAAAAAG

plasmid_lp28-1	7999	IG 1171	**1.245**	± 0.5247	0.138654	**2.024**	± 1.1918	0.12697	**1.024**	± 0.4512	0.93318	**1.262**	± 0.5064	0.12618	ATTATTTTACTTTAAACAAGCTACATATTTACATTACAAGTAATAAAACAT
plasmid_lp28-1	8109	IG 1172	**1.046**	± 0.987	0.886727	**2.844**	± 2.1387	0.2373	**1.184**	± 0.5487	0.59999	**1.44**	± 0.7113	0.37237	TATCAGAATTGGTAGATTGCTATGTTTTAAAGTAAGTATTTAGAATAGCTT
plasmid_lp28-1	8428	BB_F16	**1.020**	± 0.6618	0.914236	**0.909**	± 1.1505	0.77339	**0.615**	± 0.414	0.25939	**0.833**	± 1.093	0.58356	CTATACTATTTAATAAGAGAAAAATTTATTTATCACTCAATATTAAGCTTG
plasmid_lp28-1	8433	BB_F16	**1.702**	± 0.4054	0.094361	**2.068**	± 1.4768	0.34439	**0.991**	± 0.2691	0.95223	**1.495**	± 0.3477	0.17575	GTATAGTAATGATATCCAAAGTATCAAGGGGCCATTATTCTTCATTAGATA
plasmid_lp28-1	8492	BB_F16	**0.957**	± 0.2732	0.790145	**1.034**	± 0.4122	0.92594	**0.921**	± 0.2432	0.67992	**0.961**	± 0.3013	0.8664	AATAGGGGAAAAAACAAGCTTAATATTGAGTGATAAATAAATTTTTCTCTT
plasmid_lp28-1	8529	BB_F16	**1.125**	± 0.8442	0.696977	**2.212**	± 2.5548	0.43472	**0.828**	± 0.5647	0.60734	**1.376**	± 1.2735	0.60086	AGTATCAAGTAAATTTAAATTGGATAGTAAAATATTAAATAGGGGAAAAAA
plasmid_lp28-1	8563	BB_F16	**0.661**	± 0.6813	0.336302	**0.518**	± 0.4347	0.39167	**0.999**	± 0.4935	0.99826	**0.634**	± 0.2928	0.20852	TATGAGGAGTGACTAAAGCTTGTAAAGCTTATGAAAGTATTAATTTAAAAC
plasmid_lp28-1	8602	BB_F16	**1.445**	± 1.3509	0.452695	**1.698**	± 2.3908	0.57503	**0.887**	± 0.9566	0.8129	**0.753**	± 0.8376	0.22508	TTAATTTAAAACTGAGTTAGAAAAGCAATCTTAGATTTAGTAATGAAAAAC
plasmid_lp28-1	8741	IG 1173	**0.563**	± 0.6931	0.044199	**1.504**	± 0.9183	0.08731	**0.631**	± 0.5179	0.50369	**0.771**	± 0.6573	0.7236	TGTTAAAAGGTTTTTATTCAAACTGAAAAATATGGGTAAAGTTAAAAAGCC
plasmid_lp28-1	8797	BB_F17	**0.513**	± 0.9035	0.324174	**0.475**	± 0.8179	0.2489	**0.023**	± 0.0405	0.04039	**0.99**	± 0.9497	0.98559	GCTATATTAAATATGGTAGAGATAATCAGCCTAATGTAGAAAGTAAAGATA
plasmid_lp28-1	8803	BB_F17	**1.687**	± 1.7406	0.423131	**1.317**	± 0.7882	0.23828	**0.984**	± 0.8228	0.93856	**1.097**	± 0.8071	0.71783	ATATAGCTAAGCGGCTTTTTAACTTTACCCATATTTTTCAGTTTGAATAAA
plasmid_lp28-1	8818	BB_F17	**1.051**	± 0.3022	0.055291	**1.756**	± 1.0714	0.24299	**0.907**	± 0.2068	0.37311	**1.095**	± 0.3723	0.19897	TCTCTACCATATTTAATATAGCTAAGCGGCTTTTTAACTTTACCCATATTT
plasmid_lp28-1	8832	BB_F17	**1.249**	± 1.1362	0.266574	**1.648**	± 1.4866	0.26971	**0.431**	± 0.3795	0.12732	**0.563**	± 0.6746	0.43947	CATTAGGCTGATTATCTCTACCATATTTAATATAGCTAAGCGGCTTTTTAA
plasmid_lp28-1	9104	IG 1174	**1.072**	± 0.6694	0.373409	**1.942**	± 2.0095	0.37729	**0.898**	± 0.5365	0.26006	**1.082**	± 0.7078	0.62275	CTTATCTAATTTAGAGATTAGCTCCTATATTCAAGCGGCTATTATCCTTAT
plasmid_lp28-1	9491	IG 1175	**5.726**	± 6.729	0.030216	**2.941**	± 4.4356	0.45242	**1.889**	± 2.7119	0.58037	**4.872**	± 7.5087	0.35269	AAAAGAGAAAAGAGAATCGACAGAATTAAATAAAAAAAGAAGAGAACAAGC
plasmid_lp28-1	9917	BB_F18	**0.591**	± 0.7611	0.151001	**1.255**	± 1.4799	0.74615	**0**	± 0	0.12451	**0.383**	± 0.4638	0.15958	TATGTATGTAGTAGTTGTCATATTAAAAATATGGCTCTAAAATTAAGTGAT
plasmid_lp28-1	9920	BB_F18	**1.370**	± 0.8978	0.311048	**2.076**	± 1.9476	0.34384	**0.967**	± 0.5721	0.76243	**0.913**	± 0.4125	0.56035	CATATAAATCAAAATGGTATGGATCTGCTTTGTATAAAGTAGATAGATATT
plasmid_lp28-1	10055	BB_F19	**1.548**	± 0.2737	0.017653	**2.484**	± 0.8724	0.07838	**1.194**	± 0.3556	0.32973	**1.116**	± 0.422	0.67899	GAACCTTTTTGCTTTTTTGATAGTTTTCTTTGGTATTTTTTAAGTTTATTT
plasmid_lp28-1	10296	BB_F19	**1.190**	± 0.7988	0.561235	**1.723**	± 0.9939	0.1978	**1.852**	± 0.9536	0.23873	**1.081**	± 0.3973	0.67396	AAATAGAGTTTATAAAGTTATGTCTATAAATATTATATTTCAATAACAGTT
plasmid_lp28-1	10309	BB_F19	**1.754**	± 0.9779	0.069579	**1.688**	± 1.5609	0.3863	**1.324**	± 0.6573	0.0881	**2.241**	± 1.4291	0.14695	TATAACCATTTTTTATTCCTATTGAGTTTTTTTGATTATTAGTTCTATAAG
plasmid_lp28-1	10347	BB_F19	**1.082**	± 0.6823	0.569526	**1.758**	± 1.6301	0.36939	**0.95**	± 0.4545	0.37662	**1.197**	± 0.6803	0.17082	ATAATCAAAAAAACTCAATAGGAATAAAAAATGGTTATATAAAGCTACCTA
plasmid_lp28-1	10404	BB_F19	**0.884**	± 0.4631	0.763246	**1.139**	± 0.7572	0.7873	**0.973**	± 0.3178	0.92613	**1.238**	± 0.3941	0.4969	GAACACAAGGATTTCCTAAATATAAAAGTAAGAAAAATAGGGAAACTTATA
plasmid_lp28-1	10529	BB_F19	**1.832**	± 0.967	0.292682	**3.689**	± 3.5878	0.26446	**2.002**	± 1.9402	0.50307	**2.298**	± 1.7144	0.21502	TTCTATGCTTATAAGCTTTATTAACACCCATATATTCTATTATTTTATAAT
plasmid_lp28-1	10560	IG 1176	**0.713**	± 0.4763	0.279597	**1.472**	± 1.6769	0.51955	**0.764**	± 0.4891	0.50826	**0.854**	± 0.6513	0.53423	TATGGGTGTTAATAAAGCTTATAAGCATAGAATATATCATATAAAGAAGAA
plasmid_lp28-1	10578	IG 1177	**1.227**	± 0.997	0.349852	**2.762**	± 2.4782	0.20806	**0.989**	± 0.5144	0.95254	**1.484**	± 0.8835	0.06039	TTATAAAATAATAGAATATATGGGTGTTAATAAAGCTTATAAGCATAGAAT
plasmid_lp28-1	10807	BB_F20	**0.740**	± 0.6105	0.677996	**0.971**	± 1.2184	0.97726	**0.578**	± 0.2797	0.14219	**0.123**	± 0.1259	0.0761	GAATTTTTAACTATAGCCTCATTTTTACTTAAACATTTATAATTTGAATTA
plasmid_lp28-1	10934	BB_F19a	**0.170**	± 0.1226	0.169325	**0.578**	± 0.4344	0.34147	**0.327**	± 0.4498	0.22108	**0.309**	± 0.3239	0.32756	ATACTAACAAGAAGGCTAATATTGTAGATAATAATGAAATAGAAAATTTTT
plasmid_lp28-1	11081	BB_F19a	**1.212**	± 0.6355	0.486531	**1.61**	± 0.8978	0.1804	**1.102**	± 0.6971	0.73427	**1.239**	± 0.6029	0.49689	GTAGGCTCTATTGCAACAAGCATGACTAATTTTATCTTTTTATGTAATAAA
plasmid_lp28-1	11497	IG 1178	**0.969**	± 0.4526	0.936835	**2.026**	± 1.1135	0.22485	**0.878**	± 0.2034	0.38747	**0.984**	± 0.3652	0.94871	GTAATATTCATTAATGTGAATCTCTAAATCTCTGGCATACATTTTAAATGT
plasmid_lp28-1	11723	IG 1179	**1.082**	± 0.6326	0.795966	**2.181**	± 1.6542	0.2082	**0.779**	± 0.331	0.20793	**1.305**	± 0.536	0.02762	AGCTCTTCGAGATTTTTAATTAAATTATTATATTTGTCTTTTATAGGCCTT
plasmid_lp28-1	11882	IG 1180	**0.635**	± 0.5607	0.150074	**0.642**	± 0.4054	0.12356	**0.549**	± 0.5864	0.3132	**0.731**	± 0.3862	0.1623	ACAATACTTGTTATGTTGATGAAGAATCTAGGTTAAACGAAATAAAAGAAG
plasmid_lp28-1	16261	IG 1181	**1.185**	± 0.7673	0.686027	**1.362**	± 0.7287	0.3393	**0.965**	± 0.3008	0.78461	**1.496**	± 0.4189	0.10123	TTAGAGCTTAATTAAGCATTTACACGAGGCAAAGACTTAATTAAGCTCTAA
plasmid_lp28-1	16416	IG 1182	**1.267**	± 0.4314	0.443525	**1.668**	± 0.9693	0.37321	**1.154**	± 0.8024	0.78671	**1.239**	± 0.6011	0.59434	TGATTGTTGAATTGTTGATTTATTGCTTTTATTTTTAAATTGGTGTATCCT
plasmid_lp28-1	16918	IG 1183	**0.628**	± 0.3556	0.063526	**0.739**	± 0.5612	0.63912	**1.224**	± 0.8002	0.3967	**1.336**	± 0.8924	0.37472	TTACTTTATAAATTGTCTGGCGCTGGACAGTTTATATTGGGGGTTTCCCAT
plasmid_lp28-1	17291	BB_F30	**0.928**	± 0.3974	0.839761	**2.68**	± 1.0754	0.00968	**0.809**	± 0.3328	0.53394	**1.464**	± 0.5692	0.23805	TTTAAGCTGTATAATGTCAAATGGCTAGGATTAAATCCAAATGATTTTCTA
plasmid_lp28-1	17909	IG 1184	**1.113**	± 0.4813	0.183627	**1.688**	± 1.2405	0.25805	**1.026**	± 0.4926	0.50111	**1.196**	± 0.6421	0.23109	TTTGTTGTTAAGTAGATAGGAATATTTCGGTTTTTCTATTTGAATTAAATA
plasmid_lp28-1	17993	IG 1185	**1.079**	± 0.5246	0.402647	**1.631**	± 1.2912	0.3311	**0.871**	± 0.3654	0.18998	**1.08**	± 0.5225	0.15991	CTTAACATATTATTTGAACAATTAAAATCAAAATTTGAAATTGACAATGAA
plasmid_lp28-1	18136	IG 1186	**1.318**	± 1.1845	0.126396	**1.677**	± 1.79	0.31789	**0.986**	± 0.7581	0.95634	**1.193**	± 1.1601	0.41016	AAATGAGGCTTATTTTTGTATTGTAAATATACATTTTAAAAGTCTTTTTCT
plasmid_lp28-1	18167	IG 1187	**1.147**	± 0.3875	0.197164	**1.664**	± 0.9238	0.19808	**1.078**	± 0.5473	0.64155	**1.414**	± 0.5399	0.11444	CATTTTAAAAGTCTTTTTCTAGTTCCTTTTTATTTAGTCCTTCTTTTTTAA
plasmid_lp28-1	18591	BB_F32	**0.473**	± 0.5077	0.521567	**0.965**	± 1.18	0.91491	**0.22**	± 0.2506	0.27358	**0.803**	± 0.8544	0.72022	TCTGCTCCCCACTAACAGCACCAGCCGCCTTGCTAGCAGCCTCACTGTCCC
plasmid_lp28-1	18764	BB_F32	**0.939**	± 0.3727	0.762826	**1.658**	± 1.2936	0.47517	**0.874**	± 0.2548	0.38047	**1.015**	± 0.4435	0.95609	AGGGAATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	18815	BB_F32	**1.173**	± 1.0962	0.806171	**1.556**	± 1.0726	0.4711	**0.638**	± 0.7417	0.43211	**0.97**	± 0.4805	0.87603	TCAGCCACAACTTCTCCAATTGCATCAGTACCACTTGAAGCCCCCTCAGCT
plasmid_lp28-1	18997	BB_F32	**0.675**	± 0.3765	0.189601	**0.594**	± 0.5172	0.52057	**0.975**	± 0.5407	0.85686	**1.119**	± 0.7518	0.41908	TTGCTTTGAGGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAGTGGTG
plasmid_lp28-1	19151	BB_F32	**0.604**	± 0.2386	0.147688	**0.479**	± 0.4043	0.16791	**0.829**	± 0.3189	0.54657	**1.123**	± 0.4493	0.72889	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	19154	BB_F32	**0.538**	± 0.775	0.454333	**2.2**	± 2.7292	0.5354	**0.745**	± 0.2553	0.27438	**0.436**	± 0.2382	0.06798	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	19339	BB_F32	**0.602**	± 0.3646	0.407552	**1.652**	± 1.8271	0.61821	**0.652**	± 0.5999	0.05032	**0.778**	± 0.5553	0.71039	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTAGTGAAAAGCTGA
plasmid_lp28-1	19393	BB_F32	**1.384**	± 1.0385	0.374091	**3.536**	± 4.5189	0.35183	**0.966**	± 0.6544	0.91842	**1.543**	± 1.9684	0.56796	TCCACAACTTTTCCAATTGCATCAGTACCATTTGAAGCCCCCTCAGCTGTC
plasmid_lp28-1	19489	BB_F32	**1.174**	± 0.4282	0.333449	**1.685**	± 0.7542	0.0873	**1.137**	± 0.348	0.33755	**1.298**	± 0.5108	0.07003	ATAGCCCCCTCAGCCTTCCCTTTCTCACCACCACTCTTCACAGCAAACTTT
plasmid_lp28-1	19567	BB_F32	**0.687**	± 0.3819	0.202296	**0.605**	± 0.5246	0.5331	**0.985**	± 0.5416	0.91897	**1.142**	± 0.767	0.36444	TTGCTTTGAGGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAGTGGTG

plasmid_lp28-1	19736	BB_F32	**0.522**	± 0.251	0.153736	**0.53**	± 0.4029	0.36946	**0.822**	± 0.4023	0.4381	**0.951**	± 0.4593	0.89012	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	19739	BB_F32	**0.459**	± 0.6335	0.290048	**2.067**	± 2.4868	0.53787	**0.906**	± 0.4233	0.74102	**0.362**	± 0.123	0.03137	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	19921	BB_F32	**1.075**	± 0.4673	0.442647	**1.619**	± 1.1951	0.33501	**0.811**	± 0.3102	0.07104	**1.06**	± 0.551	0.79269	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	20151	BB_F32	**0.669**	± 0.3609	0.170354	**0.599**	± 0.5158	0.51885	**0.966**	± 0.5105	0.80365	**1.126**	± 0.75	0.42402	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAGTGGTG
plasmid_lp28-1	20320	BB_F32	**0.403**	± 0.4416	0.471404	**1.079**	± 1.2706	0.84292	**0.194**	± 0.2346	0.27732	**0.819**	± 0.9195	0.76191	TCTGCTCCCCACTAACAGCACCAGCCGCCTTGCTAGCAGCCTCACTGTCCC
plasmid_lp28-1	20493	BB_F32	**0.718**	± 0.3277	0.44104	**1.802**	± 1.7542	0.53136	**0.594**	± 0.4902	0.03596	**0.829**	± 0.5615	0.75777	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTAAAAAGCTGAAAG
plasmid_lp28-1	20646	BB_F32	**1.017**	± 0.569	0.95009	**1.877**	± 1.3576	0.2403	**0.887**	± 0.4624	0.26437	**1.056**	± 0.4335	0.82174	GCCCCCTCAGCCTTCCCTTTCTCATTATTATCCTTCTTCACAGCAAACTTT
plasmid_lp28-1	20724	BB_F32	**0.621**	± 0.4753	0.145374	**0.619**	± 0.326	0.34022	**0.867**	± 0.3457	0.00953	**0.981**	± 0.4105	0.94044	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAAGGATA
plasmid_lp28-1	20881	BB_F32	**0.543**	± 0.1952	0.07919	**0.5**	± 0.2676	0.18373	**0.794**	± 0.3316	0.15428	**1.208**	± 0.3548	0.42848	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	20884	BB_F32	**0.350**	± 0.4849	0.271329	**1.648**	± 2.0999	0.64768	**0.667**	± 0.3152	0.16132	**0.318**	± 0.2296	0.03107	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	21066	BB_F32	**1.040**	± 0.4953	0.712339	**1.575**	± 1.203	0.37453	**0.781**	± 0.2981	0.04074	**1.022**	± 0.5821	0.92671	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	21111	BB_F32	**1.229**	± 1.28	0.752348	**1.321**	± 0.9818	0.61004	**0.584**	± 0.6567	0.27213	**0.863**	± 0.4685	0.36045	TCAGCCACAACTTCTCCAATTGCATCAGTACCACTTGAAGCCCCCTCAGCT
plasmid_lp28-1	21288	BB_F32	**0.690**	± 0.4382	0.187418	**0.641**	± 0.3973	0.44318	**0.828**	± 0.4298	0.0837	**0.909**	± 0.3642	0.74366	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAATGATG
plasmid_lp28-1	21654	BB_F32	**0.637**	± 0.2926	0.325471	**1.716**	± 1.7239	0.57968	**0.56**	± 0.4195	0.06532	**0.874**	± 0.5463	0.81479	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTAAAAAGCTGAAAG
plasmid_lp28-1	21777	BB_F32	**0.334**	± 0.3116	0.168743	**0.705**	± 0.5813	0.64281	**1.321**	± 0.6298	0.27015	**0.831**	± 0.6394	0.77128	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGCGGTACTGATG
plasmid_lp28-1	21885	BB_F32	**0.749**	± 0.439	0.161768	**0.716**	± 0.4094	0.54455	**0.893**	± 0.4062	0.34385	**1.011**	± 0.5098	0.96682	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAGTAATG
plasmid_lp28-1	22045	BB_F32	**0.489**	± 0.2507	0.089035	**0.65**	± 0.5401	0.17373	**1.08**	± 0.6574	0.29603	**1.247**	± 0.6583	0.88872	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	22045	BB_F32	**0.451**	± 0.2481	0.253028	**0.414**	± 0.2326	0.57562	**0.698**	± 0.3131	0.46731	**0.958**	± 0.3984	0.24227	TTAAGTGCGATTGTTACGGCTGCGGCTGCTGGTGAGCAGGATGGAGAGAAG
plasmid_lp28-1	22048	BB_F32	**0.496**	± 0.6556	0.26912	**1.573**	± 1.707	0.58927	**0.663**	± 0.2781	0.17569	**0.358**	± 0.2264	0.04648	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	22233	BB_F32	**1.087**	± 0.4666	0.390364	**1.63**	± 1.2311	0.35811	**0.812**	± 0.3066	0.08784	**1.066**	± 0.567	0.75411	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	22392	BB_F32	**0.600**	± 0.3352	0.108704	**0.717**	± 0.3571	0.4901	**0.911**	± 0.4716	0.32719	**1.031**	± 0.3865	0.84441	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGGGTAATA
plasmid_lp28-1	22546	BB_F32	**0.612**	± 0.1862	0.186657	**0.512**	± 0.2067	0.11952	**0.943**	± 0.2385	0.78741	**1.296**	± 0.3781	0.20088	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	22549	BB_F32	**0.451**	± 0.5366	0.14318	**2.281**	± 2.7673	0.49025	**0.867**	± 0.3416	0.6303	**0.504**	± 0.532	0.33139	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	22728	BB_F32	**1.180**	± 0.6543	0.743607	**1.67**	± 1.1581	0.4617	**0.607**	± 0.2557	0.13014	**0.885**	± 0.4368	0.76911	AGGGGATAAAGGAGATTGTTGAAGCTGCTAGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	22950	BB_F32	**0.650**	± 0.3952	0.238096	**0.787**	± 0.4778	0.66777	**0.881**	± 0.4279	0.32157	**1.091**	± 0.4635	0.72238	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGGGTAATA
plasmid_lp28-1	23110	BB_F32	**0.534**	± 0.1701	0.127081	**0.47**	± 0.3185	0.19665	**0.632**	± 0.2041	0.20708	**0.978**	± 0.3677	0.94701	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	23113	BB_F32	**0.357**	± 0.4036	0.187026	**1.866**	± 2.0503	0.56082	**0.741**	± 0.3421	0.32615	**0.441**	± 0.2513	0.00773	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	23292	BB_F32	**1.085**	± 0.4753	0.358957	**1.627**	± 1.2084	0.32087	**0.775**	± 0.3113	0.11957	**1.086**	± 0.6215	0.72793	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	23454	BB_F32	**0.648**	± 0.4884	0.200612	**0.707**	± 0.4532	0.5683	**0.883**	± 0.5044	0.09467	**1.002**	± 0.5085	0.99571	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAATGATG
plasmid_lp28-1	23617	BB_F32	**0.740**	± 0.313	0.204226	**0.595**	± 0.4769	0.44924	**0.847**	± 0.4161	0.24691	**1.053**	± 0.4096	0.78914	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCTGCCTTGCTAGCAG
plasmid_lp28-1	23709	BB_F32	**0.842**	± 0.359	0.565927	**1.93**	± 1.135	0.28428	**1.003**	± 0.7415	0.99317	**1.279**	± 0.9162	0.67447	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGACAGTGAGGCTGCTAGCA
plasmid_lp28-1	23826	BB_F32	**0.764**	± 0.2833	0.158863	**1.132**	± 0.6449	0.73048	**1.351**	± 0.5239	0.30454	**1.127**	± 0.5126	0.55195	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGTGGTACTGCTG
plasmid_lp28-1	23931	BB_F32	**1.354**	± 0.9767	0.428785	**2.963**	± 3.1849	0.32188	**1.12**	± 0.7662	0.59057	**1.626**	± 1.018	0.43293	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGGATGGTG
plasmid_lp28-1	24396	BB_F32	**0.794**	± 0.2936	0.229714	**1.148**	± 0.6591	0.70599	**1.366**	± 0.5568	0.32861	**1.142**	± 0.5027	0.49493	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGTGGTACTGCTG
plasmid_lp28-1	24498	BB_F32	**0.617**	± 0.3894	0.13029	**0.633**	± 0.3836	0.41468	**0.833**	± 0.3292	0.0449	**0.889**	± 0.3976	0.73437	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAAGGATG
plasmid_lp28-1	24664	BB_F32	**0.523**	± 0.1898	0.081801	**0.38**	± 0.3013	0.14581	**0.763**	± 0.2616	0.39062	**1.018**	± 0.4411	0.96512	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	24667	BB_F32	**0.500**	± 0.6003	0.348994	**1.942**	± 2.4192	0.57758	**0.669**	± 0.2623	0.18569	**0.427**	± 0.2672	0.18535	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	24771	BB_F32	**0.169**	± 0.2399	0.080397	**0.691**	± 0.6916	0.1226	**0.659**	± 0.9015	0.50615	**1.288**	± 0.8182	0.41603	AAGAGGCAGGGAAGTTGTTTGGGAAGGCTGGTGCTGATGCTAATGGGGACA
plasmid_lp28-1	24849	BB_F32	**1.093**	± 0.464	0.263066	**1.542**	± 1.1404	0.35123	**0.778**	± 0.3083	0.05672	**1.029**	± 0.5879	0.90375	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	24966	BB_F32	**0.345**	± 0.2824	0.126861	**0.913**	± 0.4273	0.80931	**1.288**	± 0.5552	0.38268	**1.056**	± 0.8708	0.92544	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGTGGTACTGATG
plasmid_lp28-1	25071	BB_F32	**1.408**	± 1.0523	0.374976	**2.907**	± 3.1103	0.31217	**1.086**	± 0.7504	0.65174	**1.627**	± 1.0539	0.43891	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGGATGGTG
plasmid_lp28-1	25167	BB_F32	**1.245**	± 1.0276	0.671904	**1.935**	± 1.5337	0.32256	**1.013**	± 0.3496	0.94881	**2.064**	± 1.474	0.264	CAAATCCGATTGCTGCTGCTATTGGGAAGGGTAATGAGGAGAATGGTGCGG
plasmid_lp28-1	25231	BB_F32	**0.575**	± 0.1899	0.157929	**0.536**	± 0.2971	0.25842	**0.746**	± 0.2753	0.42972	**1.081**	± 0.3862	0.79262	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	25234	BB_F32	**0.430**	± 0.583	0.248303	**1.845**	± 2.2183	0.58074	**0.639**	± 0.2408	0.12234	**0.411**	± 0.3248	0.07331	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-1	25419	BB_F32	**1.077**	± 0.5015	0.552665	**1.616**	± 1.2291	0.35849	**0.819**	± 0.3211	0.03512	**1.04**	± 0.5664	0.86974	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTGAAAAGCTGAAAG
plasmid_lp28-1	25542	BB_F32	**0.385**	± 0.3294	0.112439	**0.851**	± 0.3924	0.64685	**1.35**	± 0.5658	0.42059	**1.165**	± 0.9909	0.7917	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGTGGTACTGATG
plasmid_lp28-1	25650	BB_F32	**0.674**	± 0.3669	0.193154	**0.6**	± 0.5242	0.52727	**0.985**	± 0.5332	0.91415	**1.135**	± 0.7529	0.38737	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAGTGGTG
plasmid_lp28-1	25819	BB_F32	**0.515**	± 0.2333	0.051969	**0.475**	± 0.2885	0.18289	**0.768**	± 0.3628	0.54706	**1.073**	± 0.412	0.83004	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	25822	BB_F32	**0.430**	± 0.6425	0.315285	**1.898**	± 2.0067	0.53575	**0.772**	± 0.1061	0.0497	**0.632**	± 0.3807	0.15017	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT

plasmid_lp28-1	26001	BB_F32	**0.713**	± 0.3761	0.505892	**2.107**	± 1.9565	0.44548	**0.698**	± 0.5455	0.21892	**0.946**	± 0.6106	0.92411	AGGGGATAAAGGAGATTGTTGAAGCTGCTGGGGGGAGTAAAAAGCTGAAAG
plasmid_lp28-1	26124	BB_F32	**0.787**	± 0.2799	0.254064	**1.09**	± 0.5942	0.80117	**1.338**	± 0.4715	0.28754	**1.126**	± 0.4767	0.57315	AGCTGGTAAAAGCTGTAAAGACAGCTGAGGGGGCTTCAAGTGGTACTGCTG
plasmid_lp28-1	26226	BB_F32	**0.691**	± 0.5881	0.271193	**0.706**	± 0.4709	0.58368	**0.956**	± 0.5623	0.36595	**1.11**	± 0.5873	0.78846	TTGCTTTGAGGGGGATGGCTAAGGATGGAAAGTTTGCTGTGAAGAATGATG
plasmid_lp28-1	26383	BB_F32	**0.614**	± 0.2109	0.160262	**0.443**	± 0.2685	0.18346	**0.747**	± 0.3129	0.18814	**1.041**	± 0.3873	0.84851	ATATCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAG
plasmid_lp28-1	26386	BB_F32	**0.417**	± 0.5554	0.303337	**1.706**	± 2.2278	0.65856	**0.541**	± 0.1822	0.09861	**0.398**	± 0.2676	0.06845	TCTGCTCCCCACTAACAGCACTAACAGCACCAGCCGCCTTGCTAGCAGCCT
plasmid_lp28-2	219	BB_G01	**1.711**	± 1.2123	0.103113	**1.982**	± 1.7124	0.22719	**0.9**	± 0.4576	0.72922	**1.216**	± 0.642	0.41735	ATGTAAAAGAAGTTTCGAATAGTGTTCAAGAAGATGGTCTTAATGATTTAT
plasmid_lp28-2	1027	IG 1188	**2.615**	± 0.6074	1.48E-05	**1.758**	± 0.8282	0.29926	**0.798**	± 0.238	0.26638	**1.053**	± 0.2795	0.2773	TAGGTGGAATATTCTTTGTTATTTTTTATTGAGACTTTCTAAAACAGTTTT
plasmid_lp28-2	1034	IG 1189	**2.030**	± 2.1488	0.229876	**3.406**	± 4.8188	0.30783	**1.035**	± 1.311	0.94379	**1.156**	± 1.6937	0.66404	GAAATTATAGGTGGAATATTCTTTGTTATTTTTTATTGAGACTTTCTAAAA
plasmid_lp28-2	1216	BB_G02	**1.188**	± 1.6102	0.721972	**0.519**	± 0.8272	0.62834	**0.706**	± 0.8921	0.61695	**0.556**	± 0.7251	0.48326	TGTTTCATTATTTTATAACCAGGCCTAATTATGACCCCCCTATTTTTAGAG
plasmid_lp28-2	1464	BB_G02	**3.211**	± 3.2426	0.151471	**1.709**	± 2.3184	0.34675	**1.246**	± 1.2749	0.08666	**1.072**	± 1.1116	0.61689	CTTGGCTATATTTACGCAATTCTTTATTCAAATATCTATCGAGATAGATTC
plasmid_lp28-2	1572	BB_G02	**1.287**	± 0.6197	0.193124	**0.649**	± 0.554	0.57302	**1.102**	± 0.6371	0.06306	**1.238**	± 0.8488	0.22944	TTTGTAACACTTGGCAAACTTGGAACAGATCTCATTAATTCTCATTTAGTA
plasmid_lp28-2	1762	BB_G02	**2.398**	± 1.0502	0.154602	**1.538**	± 1.1674	0.5493	**1.757**	± 0.8165	0.20556	**3.392**	± 1.3486	0.07633	AATCTAGAAGTTTGGTTATAGTAAAGTTCATTTGTTTCTTCTTTATAAAAA
plasmid_lp28-2	1827	BB_G02	**3.975**	± 1.5946	0.069688	**1.876**	± 1.1665	0.29327	**1.203**	± 0.6375	0.66009	**0.993**	± 0.2374	0.9366	AGTAACTTTTTAGAGTTTGCCAACTCCCAATAGTATAGTTATACACCTCTT
plasmid_lp28-2	2351	BB_G03	**2.706**	± 4.4874	0.490375	**2.557**	± 4.262	0.50227	**0.489**	± 0.5922	0.05228	**0.772**	± 1.0464	0.39796	AGTATTCCTTCCAAGCACTTGAGAGCCAAGTAGTGCACCACCACCAATATA
plasmid_lp28-2	2374	BB_G03	**1.945**	± 1.2532	0.233441	**1.651**	± 1.4782	0.36112	**0.736**	± 0.5376	0.25058	**0.932**	± 0.5968	0.83241	CGATCATGTGTCCAGCCATTATAAGTATTCCTTCCAAGCACTTGAGAGCCA
plasmid_lp28-2	2867	IG 1190	**1.892**	± 0.8788	0.008936	**1.564**	± 0.9415	0.06397	**0.796**	± 0.3639	0.42701	**1.053**	± 0.5066	0.80211	GCTTTTTAGGCTCTAAAAGAACGGTCATCCACTAGAGCATGGTCCACAAGC
plasmid_lp28-2	3151	BB_G05	**2.620**	± 0.9072	0.034748	**1.926**	± 1.4236	0.30298	**0.932**	± 0.2247	0.37281	**1.044**	± 0.3258	0.54969	TCATACAAATCAGAGTGGTATGGATCCTCTTTGTATAAAGTAGATAGAGAT
plasmid_lp28-2	8045	BB_G10	**1.246**	± 1.9196	0.426687	**1.34**	± 1.4157	0.47068	**0.354**	± 0.4696	0.48394	**0.294**	± 0.39	0.41462	AAACAAAAAAAGATATAGAAACCACCCAACTTACTAAGACCGAAGAGGCTA
plasmid_lp28-2	8543	BB_G10	**1.860**	± 0.6239	0.020496	**1.592**	± 0.8235	0.166	**0.742**	± 0.1876	0.15885	**1.015**	± 0.2924	0.83236	TCTTTCATAAAGGCATTCTTAAAGACATTTAGGCCGTCTATCATGCTGTCA
plasmid_lp28-2	9092	BB_G10	**0.982**	± 1.2388	0.969228	**1.696**	± 2.1185	0.32666	**0.912**	± 1.3031	0.93909	**1.43**	± 1.9332	0.73158	ACTCCAATTATGATTTTGTGAATGAGTACCAAAATTTACTAAAAGAAAAAG
plasmid_lp28-2	11445	BB_G12	**0.853**	± 0.9473	0.806847	**1.172**	± 1.1568	0.59033	**0.629**	± 0.737	0.66264	**1.031**	± 1.0601	0.96854	TCCCAGACTATATTAGAAACGGCAAGGAAAAGATCAAAGAAGAAGAGAAAG
plasmid_lp28-2	12129	BB_G13	**2.165**	± 1.3419	0.153073	**1.48**	± 0.9136	0.28109	**0.871**	± 0.6398	0.59873	**1.119**	± 0.7286	0.74552	GCGAATGCATTTTTAGGGTTAAAAAGATTGATTCTAAGTCAAAACTTACAT
plasmid_lp28-2	12340	BB_G14	**2.496**	± 1.9577	0.146267	**2.218**	± 3.0132	0.55719	**0.881**	± 0.6245	0.80324	**1.13**	± 1.3087	0.88315	ATGTAATCAGCGCCATCTATCCTAATTCCCAATGTTGAATCAACCAATGTT
plasmid_lp28-2	12539	BB_G14	**1.896**	± 3.4224	0.179708	**2.189**	± 3.6595	0.11488	**0.561**	± 0.826	0.66649	**0.697**	± 1.0329	0.73018	TGAACTTTGGACACAAAAGCATCGAGTAATTTTTGCAATGATTCAGAATTT
plasmid_lp28-2	12699	BB_G14	**1.852**	± 1.1485	0.017853	**2.315**	± 1.4032	0.09129	**1.143**	± 0.8148	0.83153	**2.292**	± 1.6375	0.23118	CTTGGCTACTTGTAAACAAACAACCACAAAAGTATATTACAAGTCTGAAAT
plasmid_lp28-2	12847	BB_G15	**4.043**	± 1.3348	0.017694	**2.98**	± 1.1331	0.08357	**2.236**	± 1.4036	0.29759	**2.092**	± 1.2178	0.22302	CTGCTGAGGATTCTATACCCTTATATGCTGCCCAACTTTTGATTTTTGTTA
plasmid_lp28-2	12924	BB_G15	**1.941**	± 0.3729	0.010325	**1.44**	± 1.0392	0.45862	**0.86**	± 0.2515	0.36347	**0.924**	± 0.3785	0.67469	TATGCCTGTCCTGAGTCTAGAAATTCAGAAAGAGGGGAGCCTACCTTTACT
plasmid_lp28-2	13362	BB_G16	**1.807**	± 0.4755	0.088793	**1.284**	± 0.6444	0.32676	**0.837**	± 0.4289	0.38165	**0.939**	± 0.3126	0.8358	GATATGCAAAATCTATTTTGGCCTTGTACCAAATGGGAGTTGCTTACAATA
plasmid_lp28-2	13681	BB_G17	**1.914**	± 2.4885	0.62253	**3.724**	± 4.4042	0.34733	**0.802**	± 0.9325	0.70897	**0.735**	± 0.8951	0.55435	CTTTATCAACCAAATCCAGAAGTTATGTTTGTTCCAATGTTGTCAGAAATA
plasmid_lp28-2	13757	BB_G17	**2.653**	± 2.7004	0.373347	**0**	± 0	0.08025	**0.441**	± 0.7972	0.26872	**0.133**	± 0.1583	0.09042	TGTAACAGTTAAAGAAGCACTTTTTAGAGATCATAAAGTGGTAACTTCGGT
plasmid_lp28-2	13902	BB_G17	**1.010**	± 0.9079	0.982867	**1.26**	± 1.9642	0.79999	**0.931**	± 0.9368	0.84665	**0.955**	± 1.4748	0.96474	CTAATGGATATACGTTGTATGAAAAAGTAGCACTTGCAAAACGTGAAGCAG
plasmid_lp28-2	14401	BB_G18	**1.844**	± 1.465	0.125773	**1.492**	± 1.4203	0.3343	**0.963**	± 0.8435	0.91842	**0.936**	± 0.9853	0.76243	GACTCAAACTCAGGGCCAATATTAACATCAAGCAAAACTACTTTGCTATTT
plasmid_lp28-2	14441	BB_G18	**3.594**	± 3.7526	0.174278	**0.534**	± 0.6181	0.56597	**1.025**	± 1.4032	0.9819	**0.689**	± 0.6988	0.67915	CTTTGCTATTTGCATCAAGACTAACATCTTTGATTCTCCCAACTTGCACAC
plasmid_lp28-2	16230	BB_G20	**1.513**	± 1.4736	0.110082	**1.66**	± 1.8942	0.28925	**0.699**	± 0.5722	0.3835	**0.866**	± 0.6859	0.65969	GTAGTTCCAGATTCCGATGATCCACACAAGCCACTAAAAAAAGGGTTTCCT
plasmid_lp28-2	16234	BB_G20	**2.051**	± 1.1742	0.007416	**2.39**	± 2.1308	0.20474	**0.856**	± 0.5586	0.61974	**1.107**	± 0.6222	0.4857	TATAGTAGTTCCAGATTCCGATGATCCACACAAGCCACTAAAAAAAGGGTT
plasmid_lp28-2	16723	BB_G21	**1.842**	± 1.4773	0.193944	**1.748**	± 1.7236	0.355	**0.658**	± 0.3439	0.36423	**0.755**	± 0.6721	0.29731	CTTTGCTTGCAAAAAAACGAAACTTGTATTCACTCTCAGACTATTTGATTC
plasmid_lp28-2	18055	BB_G22	**2.385**	± 2.6741	0.021701	**1.756**	± 2.2158	0.10098	**0.934**	± 1.0248	0.87401	**0.76**	± 0.9676	0.4356	TATCTTTTTACAGATACGATCTTTAGGAGAAAAATTATGGACAATTTACAA
plasmid_lp28-2	18057	BB_G22	**2.161**	± 0.6553	0.003673	**1.522**	± 1.0387	0.37902	**0.777**	± 0.4472	0.11873	**1.551**	± 0.4321	0.14996	TATATCTTTTTACAGATACGATCTTTAGGAGAAAAATTATGGACAATTTAC
plasmid_lp28-2	18116	BB_G22	**2.587**	± 0.9964	0.020725	**1.399**	± 0.6713	0.13775	**0.897**	± 0.2625	0.63264	**1.018**	± 0.3826	0.35954	TTACCACCTTTCACAAGTCAAAGTGGTTCAAAAGAAACAAAACCTAAAAAC
plasmid_lp28-2	18145	BB_G22	**1.433**	± 1.8607	0.450544	**1.956**	± 2.6821	0.10606	**0.668**	± 0.8085	0.5641	**0.914**	± 1.0092	0.91216	GTTATGAAGAGATAGACCCCGAATATTTATTACCACCTTTCACAAGTCAAA
plasmid_lp28-2	18147	BB_G22	**0.498**	± 0.3649	0.266264	**1.305**	± 1.5556	0.678	**0.789**	± 0.4504	0.66366	**0.469**	± 0.5356	0.00822	TAGTTATGAAGAGATAGACCCCGAATATTTATTACCACCTTTCACAAGTCA
plasmid_lp28-2	18331	BB_G22	**2.618**	± 1.299	0.115713	**2.519**	± 2.1214	0.34667	**0.94**	± 0.5389	0.89582	**1.881**	± 0.6608	0.04734	CCGTCAGAATCGGTGGAGCCGCCAGAATCATAGTGTCTCAAGAATCTGCCC
plasmid_lp28-2	18864	BB_G23	**2.997**	± 1.9188	0.031593	**2.584**	± 2.1943	0.11451	**0.889**	± 0.6321	0.69543	**0.9**	± 0.5472	0.81222	TATTTCATTCTACAGATATGATTGGTAGGTAAAATCAATGATAACACAACA
plasmid_lp28-2	19017	BB_G23	**1.373**	± 0.7002	0.020958	**1.075**	± 0.8674	0.77282	**0.646**	± 0.3408	0.12581	**0.732**	± 0.4241	0.04418	ATCAGTCACAAGTCGCCCTCGCAGACTATCCAATACGCTCAAGTCAAGATC
plasmid_lp28-2	19120	BB_G23	**2.615**	± 1.0609	0.098834	**2.467**	± 1.9588	0.33913	**0.923**	± 0.4211	0.82957	**1.729**	± 0.511	0.07945	CCGTCAGAATCGGTGGAGCCGCCAGAATCATAGTGTCTCAAGAATCTGCCC
plasmid_lp28-2	19297	BB_G23	**2.017**	± 3.9272	0.691517	**1.059**	± 1.484	0.94335	**0.205**	± 0.2964	0.28988	**1.674**	± 2.6214	0.27684	TATCAAGAAGCAAGTTGGTACAAGCTTTTGAAGATACTAAAAAATTTTGTA
plasmid_lp28-2	20219	BB_G24	**0.608**	± 0.2466	0.283512	**0.513**	± 0.4291	0.3422	**0.933**	± 0.4778	0.32729	**1.006**	± 0.4994	0.94221	CAACAGCGGGCTGTGTAAAGCTTTTGTCTTCTAGGTAAGGTGCCAGTTCTT
plasmid_lp28-2	20324	BB_G24	**1.885**	± 1.8496	0.048924	**0.887**	± 1.2584	0.50358	**0.65**	± 0.722	0.68959	**0.473**	± 0.5897	0.26286	TATTGACTCCAGAAAGCCTGAATGATTTTTCTGATGTAAAAATATGTTTAG
plasmid_lp28-2	20368	BB_G24	**1.537**	± 0.7414	0.007289	**1.646**	± 1.7736	0.47465	**0.613**	± 0.5413	0.02845	**0.861**	± 0.5563	0.10213	TGTTTAGAAAACCCCGTGCTTCTTATGAAAACTTCGTCATCGCCTTCGATT

plasmid_lp28-2	20806	BB_G24	**3.099**	± 1.7642	0.144362	**0.929**	± 0.9018	0.91604	**0.606**	± 0.2089	0.17906	**0.87**	± 1.2554	0.89721	TTTAGATTCTGCATTGACCTAAAATTAACAATAGTGTGTCCTTTGACACGT
plasmid_lp28-2	20919	BB_G24	**1.819**	± 0.8109	0.242533	**1.279**	± 0.3838	0.41316	**0.998**	± 0.6027	0.99648	**1.096**	± 0.1804	0.55176	CACAACCAGATTCATTTTTCCGAAGATTCAGCATTAAGACTTTTTGAATT
plasmid_lp28-2	21296	BB_G24	**2.623**	± 3.3977	0.339132	**0.261**	± 0.3768	0.33937	**1.181**	± 1.3228	0.86067	**0.577**	± 0.783	0.33192	CGCCTTTTTGAAGAACTGCAACGTACAGTGCACCATCGGTACCAGCAACAT
plasmid_lp28-2	21710	BB_G24	**2.754**	± 1.5075	0.096269	**2.857**	± 2.4881	0.26037	**0.988**	± 0.3219	0.93286	**1.558**	± 0.6886	0.06183	ATAGAAAAAACTAAACTAAAAGACCTTATTGATGATGATGCTAGCGAAGCA
plasmid_lp28-2	22159	BB_G24	**2.132**	± 2.6693	0.361448	**1.755**	± 2.3489	0.44316	**1.381**	± 2.0736	0.65907	**0.7**	± 0.6818	0.49928	CATCGGAAAATTGTACTTCTTTGGGGCTTGATATTGTATTCTACACGGACG
plasmid_lp28-2	22294	BB_G25	**1.767**	± 0.6619	0.051217	**1.17**	± 0.5298	0.21216	**0.851**	± 0.3767	0.68923	**1.076**	± 0.3987	0.22525	CAAAAAATACAGCAGAAGATAAGGATTGTATTAAGTTGAAAGATCAAGACA
plasmid_lp28-2	23052	BB_G27	**2.259**	± 1.422	0.134713	**1.246**	± 0.8239	0.18506	**1.16**	± 1.045	0.84168	**1.649**	± 1.054	0.33966	TTTCTAAATTTTGCACTGTAAAATTCTAGTCTATCCTTTACGCGCTCTAAA
plasmid_lp28-2	23664	BB_G27	**2.279**	± 0.8274	0.049015	**1.512**	± 1.1202	0.34957	**1.068**	± 0.455	0.03808	**1.052**	± 0.4363	0.58203	AAGTAGTCTTTCAAAAGTTTGTAGAAAAAATTGTAAATGCATAAAAACATT
plasmid_lp28-2	24057	BB_G28	**2.829**	± 3.4506	0.235172	**2.156**	± 1.8699	0.02061	**1.236**	± 1.5446	0.38899	**1.597**	± 2.2516	0.42673	GCATTGCTACAATGCTGCCAATAATATTTATTTGTTTTTTTACTCTTGTCA
plasmid_lp28-2	24235	IG 1191	**1.737**	± 0.7979	0.052541	**0.816**	± 0.3691	0.63006	**1.11**	± 0.5526	0.07027	**1.1**	± 0.4789	0.36892	TTACATTATTAGGTATTTCGTAATTGTATAACGTTTTTGCTAAAAATCAAA
plasmid_lp28-2	24537	BB_G29	**2.350**	± 0.5358	0.052847	**1.713**	± 0.7556	0.25665	**1.03**	± 0.167	0.82683	**1.032**	± 0.1696	0.8268	CATGAATTGCTTACCAAATTGGTAGCTTTAAACAGTAAAAAAGAACACTGT
plasmid_lp28-2	24748	BB_G29	**2.199**	± 0.7414	0.068487	**1.691**	± 1.1981	0.38626	**1.026**	± 0.3321	0.89269	**1.174**	± 0.315	0.3015	GACTGGTTGCTGATCTGCTCAAAAAAGATGGCAAAAAGGTTGTTAGTGTGC
plasmid_lp28-2	25212	BB_G29	**1.452**	± 1.1932	0.25623	**1.43**	± 1.5551	0.32328	**0.792**	± 0.702	0.58685	**1.052**	± 0.9245	0.91948	ACTAATCAGGATGTTGACAGTCGCACCACAATGTCGCGCCACTCGCCACCG
plasmid_lp28-2	25298	BB_G29	**1.035**	± 0.6842	0.787315	**1.385**	± 0.8148	0.36957	**0.71**	± 0.6104	0.06343	**0.698**	± 0.4685	0.40399	TTATAAGAATTCAAAGAATTCTTTATGTAATTCAAAAATTCAAAAAAACAA
plasmid_lp28-2	26295	BB_G30	**2.370**	± 1.9779	0.216801	**3.667**	± 5.1225	0.38296	**1.235**	± 1.5605	0.67469	**1.43**	± 1.1372	0.34239	TTTCTTGGCAGGTTGCAAAAGAATGTTGCTGGTGCACAAGCGGGATCCGGG
plasmid_lp28-2	26984	BB_G31	**1.972**	± 1.8178	0.074798	**2.441**	± 3.1418	0.2523	**0.8**	± 0.7603	0.73946	**1.564**	± 1.6389	0.1225	TAATACCTTCGCCCTGGGGATTCAAATCTCGACCATAAAACTTAAATACTC
plasmid_lp28-2	27408	BB_G32	**1.078**	± 0.5325	0.653328	**0.556**	± 0.4585	0.35514	**0.772**	± 0.2248	0.22789	**0.834**	± 0.5644	0.48287	TCAGTTCGCTAAATAAAAGTGAACTGGACGCTTACCATAAATCAGTTTCTG
plasmid_lp28-2	27645	BB_G32	**1.247**	± 1.4129	0.421081	**0.58**	± 0.5659	0.57403	**0.948**	± 0.6904	0.87752	**1.152**	± 1.116	0.24042	ATATACGTTCGCTTGCACTTGAACTTGGAATTCCAATAATAGTTGTATCTC
plasmid_lp28-2	27683	BB_G32	**3.588**	± 3.1211	0.032996	**2.769**	± 2.9257	0.09625	**1.152**	± 1.0024	0.79372	**1.351**	± 1.5171	0.03888	TTATTGGAATTCCAAGTTCAAGTGCAAGCGAACGTATATTACGACTCAAAA
plasmid_lp28-2	28939	BB_G34	**2.563**	± 1.4709	0.063135	**2.213**	± 1.8648	0.20854	**0.926**	± 0.6578	0.23403	**1.52**	± 0.8752	0.10697	ATGCTAACCTAAAAAAACTGGGAATCTACAAAAATACTTGCAAATTACAAA
plasmid_lp28-3	498	BB_H02	**1.768**	± 1.4291	0.428204	**3.219**	± 2.6906	0.27751	**1.071**	± 0.2101	0.54774	**1.033**	± 0.3317	0.82585	GTTAATAGTAGAATTAATATTATCATTTTGGTTAGTAATAATGGTTGAACG
plasmid_lp28-3	518	BB_H02	**1.236**	± 1.102	0.746637	**1.472**	± 1.5167	0.59314	**0.661**	± 0.6552	0.59516	**0.606**	± 0.5364	0.38466	GTTTGAATATAAGGTGGGTAGTTAATAGTAGAATTAATATTATCATTTTGG
plasmid_lp28-3	804	BB_H02	**2.887**	± 0.9203	0.052821	**1.207**	± 0.7383	0.72205	**1.027**	± 0.4871	0.92835	**0.935**	± 0.724	0.87911	TACCAACTACATAATAAATGGAGACAATTTGTTAAGAATTATTAGCAACTT
plasmid_lp28-3	924	IG 1192	**1.362**	± 1.0142	0.536742	**1.272**	± 1.2814	0.73716	**1.491**	± 1.048	0.25656	**0.829**	± 0.6395	0.78589	TTATGAAAAAAAATCAAAAAAACAAGTGCTCAGAAATAGAAAAAACACAAT
plasmid_lp28-3	1088	BB_H04	**1.638**	± 1.0932	0.149829	**1.272**	± 0.7149	0.30839	**1.297**	± 0.8056	0.10389	**1.184**	± 0.8581	0.08101	TTCAATTCTAGATTTAATAATGTATTGTCACATAAAGCAGGCATACCCCAG
plasmid_lp28-3	1195	BB_H04	**1.067**	± 0.557	0.86485	**1.383**	± 0.713	0.37496	**1.694**	± 1.0959	0.13679	**1.307**	± 0.9478	0.21598	GAAAAAACAAAAACCATAGTAAAACTATCTTTTAAAAACCAGTCCAAATAT
plasmid_lp28-3	1322	BB_H04	**2.147**	± 1.3276	0.293402	**1.449**	± 0.7854	0.28143	**1.706**	± 0.7403	0.25806	**1.597**	± 1.096	0.39067	TCTGTTATTGTTTGATAGTAGTCTTGTATTGTTGAACGAAACACTTTAAGG
plasmid_lp28-3	1587	BB_H05	**1.478**	± 1.3827	0.108043	**1.353**	± 1.0876	0.36014	**0.784**	± 0.6753	0.462	**0.805**	± 0.6422	0.64076	GTATCCAATATTTTTTGAATTTAGGTCAATGTTGTTTAGTGTGTAAATAAG
plasmid_lp28-3	1672	BB_H05	**2.011**	± 1.3627	0.25515	**1.423**	± 0.9665	0.47252	**0.845**	± 0.2929	0.33706	**1.131**	± 0.7411	0.81984	TAAAGAATAAGTAAAAGTAGTTTAGTTTACTGGAGTATTTATCT
plasmid_lp28-3	1677	BB_H05	**3.018**	± 1.3543	0.133954	**2.845**	± 2.0531	0.24781	**1.151**	± 0.2047	0.35555	**1.509**	± 0.6746	0.22885	TTTTATAAAGAATAAGTAAAAGTAGTTTAGTTTACTGGAGTATTTAT
plasmid_lp28-3	2049	IG 1193	**1.528**	± 1.2467	0.233804	**1.997**	± 1.952	0.29286	**1.039**	± 0.6478	0.59557	**1.181**	± 0.808	0.09269	TAAGCAATAATATTTTTTAATGTAATAAGGAGAGTATGTAGAATTATTTTT
plasmid_lp28-3	2181	IG 1194	**4.470**	± 4.3551	0.147689	**5.994**	± 8.6254	0.35524	**2.509**	± 2.6252	0.04421	**2.732**	± 2.9487	0.21564	TGCAAAGTATGCTTTTAAACCAAGAAACATGCCTCTCTTTTGATAAATTGG
plasmid_lp28-3	2285	BB_H06	**2.740**	± 3.2611	0.182901	**3.201**	± 4.5672	0.31933	**1.218**	± 1.5555	0.50716	**2.263**	± 1.9699	0.02075	AAGCTATTAAGCAAACTTTATTATAGATCACAAGGTATAAATTTAAGGCTT
plasmid_lp28-3	2387	BB_H06	**0.948**	± 1.0997	0.932779	**0.549**	± 0.6327	0.25245	**0.96**	± 0.3987	0.77169	**0.83**	± 0.7522	0.69306	TGGTTAATGATAGGGAAATAAATTCAAGAAGCAGGTATAATAATTTTTATA
plasmid_lp28-3	2603	BB_H06	**2.474**	± 2.7443	0.447375	**1.709**	± 1.8255	0.59689	**0.859**	± 0.9682	0.63503	**0.496**	± 0.3314	0.29375	ATGATGTGTCTAATGCCAGACATGTTGCTGATTCTTATAAAAAACTTAGAA
plasmid_lp28-3	2800	BB_H06	**1.214**	± 1.3606	0.35561	**0.778**	± 0.7822	0.7042	**0.923**	± 0.9597	0.83794	**0.959**	± 1.0835	0.83663	TAATGATATTATGACTTATTCGGAAGGTACATTTTCTGATCAAAGTAAGGT
plasmid_lp28-3	2848	BB_H06	**2.655**	± 0.8909	0.03838	**3.043**	± 1.4379	0.04251	**2.319**	± 0.9857	0.02838	**2.865**	± 1.1334	0.0498	ATACTTGGCCTTTTCAACAAAAATTTTAAGCTCATTAATATTTCTCTGATT
plasmid_lp28-3	2925	BB_H06	**0.639**	± 0.9266	0.46041	**0.408**	± 0.3886	0.25592	**0.31**	± 0.3716	0.07372	**0.593**	± 0.9887	0.4416	AACTTATTGAAATTAACATGTATATTGATAAAAAACTTTTTTTCATATTTT
plasmid_lp28-3	3106	BB_H07	**0.707**	± 0.398	0.440295	**1.436**	± 1.3102	0.64281	**0.71**	± 0.5822	0.49912	**0.833**	± 0.5555	0.69099	TTAAAGATAAAGCAATTTTTTTAAAAAATATATAAAAATCGAAACAAAAAA
plasmid_lp28-3	3436	BB_H07	**1.250**	± 0.1548	0.010165	**2.064**	± 0.9217	0.19029	**1.02**	± 0.2858	0.90947	**0.952**	± 0.1771	0.69342	TGTTTTTTCAATTTTTTGAAATAGCTTTTTAAGTTTTCTAAATCATCTTTA
plasmid_lp28-3	3600	IG 1195	**1.438**	± 0.6834	0.016307	**1.657**	± 1.4167	0.3442	**0.954**	± 0.4459	0.7629	**1.256**	± 0.6333	0.07426	ATTGCTAAATCATCTTCTTTTGCTATATATGTAAGTAAAATGCTACCAATA
plasmid_lp28-3	3626	IG 1196	**1.559**	± 0.9465	0.158161	**2.005**	± 0.9624	0.05212	**1.254**	± 0.6854	0.13836	**1.344**	± 0.8002	0.45672	TATAGCAAAAGAAGATGATTTAGCAATTAATATGTAATTTATAAAAAGAGT
plasmid_lp28-3	3684	IG 1197	**4.707**	± 5.3426	0.296291	**9.766**	± 11.435	0.22836	**1.827**	± 2.1481	0.60552	**2.716**	± 2.6974	0.28612	AAGCTTTTTATTTCTAATGTTTTAGCTTTTATAAAAACACCAACCATGACA
plasmid_lp28-3	3841	IG 1198	**1.775**	± 0.9807	0.070152	**1.828**	± 1.7071	0.39427	**1.018**	± 0.5949	0.77753	**1.437**	± 1.2566	0.46641	AATGATGAAAAGGTTATTCTTGGTGAAGTGATTTTTTTAAATACAGAGCCT
plasmid_lp28-3	3896	BB_H09	**2.705**	± 2.2229	0.172965	**2.577**	± 2.4786	0.27525	**1.527**	± 1.3668	0.6134	**0.887**	± 0.7164	0.68446	ATTAAGCATTTTAAATAGATTTATAAATTTTCTTAGCAAGAAAACATTATT
plasmid_lp28-3	4317	BB_H09	**1.352**	± 0.7456	0.339888	**1.695**	± 1.2087	0.33878	**0.953**	± 0.2959	0.62228	**1.094**	± 0.2896	0.07547	AATAGTCAAAAACAAATGAATTAAAAATAGATATAATAAATAATTTTTTAT
plasmid_lp28-3	4343	BB_H09	**0.295**	± 0.3464	0.061517	**0.356**	± 0.3025	0.05162	**0.622**	± 0.2646	0.14108	**0.021**	± 0.0367	0.00061	TTTTTAATTCATTTGTTTTTGACTATTTAATAAGAAGATTTGCTTTAAGCA
plasmid_lp28-3	4402	BB_H09	**0.756**	± 0.8913	0.454401	**2.324**	± 2.3246	0.40202	**0.752**	± 0.9823	0.47391	**2.468**	± 1.559	0.20945	TATTGTAGAAACACAATAACAATTTCTAGGAGATAAAGTACTAATCATGGT
plasmid_lp28-3	4458	BB_H09	**2.280**	± 1.337	0.126376	**2.492**	± 2.5099	0.34951	**1.496**	± 0.9448	0.27372	**1.332**	± 0.9479	0.52718	TATCTGTATTTCTTGCAATCCTTCTATATAATATTTTTTCTATTTGATACT

plasmid_lp28-3	4655	BB_H09	**1.013**	± 0.4626	0.95437	**1.255**	± 0.9826	0.75358	**0.758**	± 0.4115	0.19848	**0.93**	± 0.5618	0.11219	ATAATGAAAATTTTATATTTCTTTATTCTGGAGCTAATATTCATCAGTTTA
plasmid_lp28-3	4681	BB_H09	**1.831**	± 1.5504	0.355132	**2.377**	± 2.0619	0.29529	**1.094**	± 0.3096	0.70505	**1.296**	± 0.6036	0.25379	CTTTGTTAAATTTAGCCCTACTCCAAAATTAATATATTCTTCACTAAGAGT
plasmid_lp28-3	4730	BB_H09	**2.377**	± 2.7427	0.481762	**0.513**	± 0.5385	0.50175	**1.506**	± 1.0748	0.44892	**1.304**	± 1.1376	0.73961	CTCTTAGTGAAGAATATATTAATTTTGGAGTAGGGCTAAATTTAACAAAGT
plasmid_lp28-3	4733	BB_H09	**1.653**	± 1.7428	0.485795	**2.689**	± 4.1522	0.51607	**1.669**	± 1.4324	0.20172	**1.571**	± 1.2752	0.49219	CTAAATTTGCTAAACATTTTGTTAATTAAGATAAGCTCTTTACTATCTTTA
plasmid_lp28-3	5421	BB_H09	**1.139**	± 0.5369	0.609672	**0.585**	± 0.5146	0.43922	**1.172**	± 0.3996	0.1363	**1.329**	± 0.7862	0.36622	CAATATCAAATCCTTCTTGAATATCTGGAAACTCAATTCCATAATGGAAAA
plasmid_lp28-3	5663	BB_H09	**0.555**	± 0.5558	0.101928	**0.376**	± 0.3199	0.31084	**0.871**	± 0.7446	0.23723	**0.828**	± 0.9927	0.38595	TATTTACTTTCTTCATATTCTTTGTATATCTTTTTAGATCTTTCTATATCT
plasmid_lp28-3	5768	BB_H09	**0.693**	± 0.597	0.248384	**0.954**	± 0.7863	0.89256	**1.052**	± 0.4955	0.81491	**1.326**	± 0.5287	0.48218	GTTGTAATTTCCTTAATTCTTTTTTTAAATAAAGAAAATCCACTTTCAAAT
plasmid_lp28-3	5795	BB_H09	**1.202**	± 1.0124	0.70087	**0.543**	± 0.6537	0.31356	**1.327**	± 1.5014	0.15137	**0.673**	± 0.844	0.39972	AATAAAGAAAATCCACTTTCAAATTTCTTTTTTGCAATATCAAAAAATTCA
plasmid_lp28-3	5997	BB_H09	**2.414**	± 3.1249	0.262912	**2.159**	± 2.5333	0.35428	**1.979**	± 2.0211	0.13263	**1.369**	± 1.505	0.75455	AAGAGGTGTATTTATGGTGTTGATATTAATCCTATTTCGGTTGAAATTACT
plasmid_lp28-3	6210	BB_H09	**0.905**	± 0.7899	0.789582	**0.799**	± 0.7438	0.59712	**0.822**	± 0.2647	0.22303	**1.042**	± 0.3049	0.8473	GATATAAAAATCATTGATAATTCTTGTGGATCAGGGCATTTTTTAATTTCT
plasmid_lp28-3	6286	BB_H09	**1.657**	± 1.2112	0.353258	**1.174**	± 1.4474	0.79041	**0.97**	± 0.4554	0.89653	**0.563**	± 0.2678	0.17581	TTATACTCCAGATGATTTAACTGATTTTATGGTTATATCATCAATTGAAGA
plasmid_lp28-3	6349	BB_H09	**1.487**	± 1.2038	0.004715	**2.687**	± 3.5834	0.36097	**1.117**	± 1.3345	0.80239	**1.498**	± 1.1362	0.38685	TGTAGCAATTTTGTTTACTTTATTGTTTTCAAGCTCTTCTTCAGTACGAAT
plasmid_lp28-3	6921	BB_H09	**1.206**	± 0.6559	0.261985	**1.606**	± 1.283	0.35102	**0.835**	± 0.3255	0.1469	**0.994**	± 0.5234	0.93921	CTTTAAATTCTTTGTCATATATATTTTTTGCAATTTTAAATACTATAGAAT
plasmid_lp28-3	6988	BB_H09	**0.739**	± 0.2178	0.099115	**0.536**	± 0.4069	0.32506	**0.966**	± 0.4278	0.84438	**1.176**	± 0.5376	0.34229	AAGTATCTCTCTAAGAGTTTTTTGAATTATCTCTTTTTCTTTGGATATTTG
plasmid_lp28-3	7533	BB_H09	**0.393**	± 0.3141	0.280225	**0.162**	± 0.2187	0.19919	**0.77**	± 0.9336	0.75189	**1.365**	± 1.611	0.71313	GCAAAGACTCTATATTTGCTTCTGTTGAATTGTCATCTATAGCTTGAATTT
plasmid_lp28-3	7661	BB_H09	**1.364**	± 0.5614	0.320168	**1.295**	± 0.7286	0.45945	**0.903**	± 0.2525	0.69256	**0.761**	± 0.1299	0.13442	TAAAGAGATACATTTGGATCATTTGTTTTTATAATGAATCGGCTTTCATTG
plasmid_lp28-3	7815	IG 1199	**1.912**	± 1.4323	0.287591	**4.08**	± 5.3966	0.40071	**1.141**	± 0.3421	0.61573	**1.29**	± 0.6432	0.23616	AGATTAGTTTTTTTAATTTTAAAAAAACTAATCTTAGAGTACATTTCGAGT
plasmid_lp28-3	7876	IG 1200	**2.596**	± 1.7154	0.01682	**0.958**	± 0.704	0.82494	**1.037**	± 0.919	0.93357	**0.809**	± 0.683	0.49848	GAATAAGCTTGTTAAAAATTATTTCTCACTTTTTCTCAATTAATTAAAGTT
plasmid_lp28-3	8158	BB_H09a	**1.347**	± 0.4468	0.349561	**1.828**	± 1.2958	0.36985	**0.851**	± 0.2848	0.58213	**1.431**	± 0.555	0.31759	AGTTCTTTTAAAAATTTTTTGCATCTTTGTTGCTTGCATGATTCTGAGCAA
plasmid_lp28-3	9050	IG 1201	**1.060**	± 0.3619	0.467637	**1.3**	± 0.4725	0.43568	**0.331**	± 0.3271	0.02444	**0.412**	± 0.1717	0.08514	TAGTCTTTGCTTTTTAAGCAGTAGTTCATATAGTATATTTTGAAAAATTTA
plasmid_lp28-3	9318	IG 1202	**1.177**	± 0.5549	0.61041	**1.652**	± 1.0274	0.29837	**0.957**	± 0.3564	0.42662	**0.974**	± 0.6578	0.94901	TTTTATTATCTTTATAAAGACTTTCTAGTATAAAGCGTTTTCTTTGACTCT
plasmid_lp28-3	10392	BB_H13	**2.041**	± 0.8136	0.096559	**2.751**	± 1.5873	0.16165	**0.817**	± 0.3524	0.56533	**1.379**	± 0.6906	0.3701	CATATAGAGATTTGGAAAATTTAGAAAAACAATTCGGTATAAGGTTCGAGA
plasmid_lp28-3	11113	IG 1203	**0.695**	± 0.218	0.011859	**1.29**	± 0.746	0.48666	**1.41**	± 0.4211	0.28764	**0.591**	± 0.5001	0.40546	GGGATAAATCAAAAAAAGTTACAACAAAAAAAGTCAAAGAAGGCATTAATG
plasmid_lp28-3	11803	IG 1204	**1.410**	± 1.1036	0.423538	**2.284**	± 2.1655	0.33742	**0.621**	± 0.2864	0.12305	**1.173**	± 0.5192	0.48612	TAGGGTTTCTTTCTGCATGGGGGCTGCCTAAGACTTGATATGCCACCATTA
plasmid_lp28-3	11851	BB_H17	**1.800**	± 0.9243	0.032828	**0.53**	± 0.922	0.48937	**1.197**	± 0.8967	0.36298	**0.783**	± 0.5347	0.41632	ATGGTGGCATATCAAGTCTTAGGCAGCCCCCATGCAGAAAGAAACCCTATA
plasmid_lp28-3	12082	IG 1205	**0.757**	± 0.2138	0.135197	**0.62**	± 0.5288	0.42787	**0.915**	± 0.4745	0.6976	**1.055**	± 0.3065	0.67501	AATATAATGGAAATTTCAAATCTACTTTCAATACGTGTAGTTTTATTTGCA
plasmid_lp28-3	12190	BB_H18	**1.362**	± 0.7349	0.19078	**1.857**	± 1.0254	0.2093	**0.739**	± 0.5629	0.64078	**0.849**	± 0.5055	0.58324	GTTCCCCAGTCGCAACCAACTATTAAAATTAAAACCACTGAAATATAAAAA
plasmid_lp28-3	12396	BB_H18	**0.575**	± 0.8473	0.146968	**0.302**	± 0.544	0.27506	**0.264**	± 0.2769	0.22288	**0.375**	± 0.6486	0.40127	ATCTCAAATGAGAAAGCCATAGCTACTCAAGCAAAAGTAGATTTAATGAAC
plasmid_lp28-3	12511	BB_H18	**1.233**	± 0.4309	0.532305	**1.613**	± 1.8756	0.65002	**0.802**	± 0.3288	0.531	**1.017**	± 0.3242	0.95046	CTACTACTGAAGATAGTGTGAAGTTTTTATCAATTGAAAACCAAGAGTGGC
plasmid_lp28-3	12514	BB_H18	**0.494**	± 0.8444	0.615982	**1.07**	± 1.6561	0.92769	**0.481**	± 0.7702	0.44236	**0.342**	± 0.5349	0.54668	CTACTGAAGATAGTGTGAAGTTTTTATCAATTGAAAACCAAGAGTGGCTTA
plasmid_lp28-3	12562	BB_H18	**0.636**	± 0.285	0.107056	**0.76**	± 0.5372	0.6537	**1.023**	± 0.3966	0.91373	**1.074**	± 0.5226	0.2042	AGCCACTCTTGGTTTTCAATTGATAAAAACTTCACACTATCTTCAGTAGTA
plasmid_lp28-3	12673	BB_H18	**1.033**	± 0.4832	0.915896	**2.051**	± 1.4862	0.31076	**1.025**	± 0.4065	0.73958	**1.076**	± 0.5686	0.77482	GTAATTCCAATATGGGTAAAGAAATTATTAAGTTTAAGGAAGAATATTACA
plasmid_lp28-3	12793	BB_H18	**0.557**	± 0.5117	0.5052	**1.85**	± 2.0998	0.58871	**0.72**	± 0.5505	0.53535	**0.082**	± 0.1256	0.09134	GTATCTTTTATAAATGAATTCCTTTGACTATGGAATTTTTGTTGTATGCCT
plasmid_lp28-3	13036	BB_H18	**1.461**	± 2.916	0.814401	**0.115**	± 0.2059	0.30643	**1.526**	± 1.8277	0.63303	**0.742**	± 1.004	0.62012	TTAGCAGGTCCACCAATTTGACCTTGCTTTCTACTCTCATTGTCATACCTT
plasmid_lp28-3	13215	BB_H18	**0.783**	± 0.6122	0.659427	**1.028**	± 0.5114	0.94968	**0.992**	± 0.5316	0.98567	**1.218**	± 0.6728	0.65974	GGCTAATACCAATTCGTACAAATCTTTTTTTAATTTCTTCTAATAGCTTTT
plasmid_lp28-3	13342	IG 1206	**0.530**	± 0.1338	0.088036	**0.391**	± 0.3772	0.19403	**1.132**	± 1.2415	0.83833	**1.048**	± 0.4871	0.66767	TGACCCTTTTGATTTCTTTTTTATAAAAAATATCTTCTAAGTAAATTTAAA
plasmid_lp28-3	13699	IG 1207	**1.689**	± 0.9667	0.393337	**1.483**	± 1.1937	0.47766	**1.697**	± 0.6158	0.14908	**1.088**	± 1.0098	0.91434	AATACTATCTATAAACACAGCCTGGAGAGGGATTAATATTAATCTAAGCAA
plasmid_lp28-3	13846	BB_H20	**1.426**	± 0.6406	0.11538	**1.941**	± 1.5694	0.27648	**1.244**	± 0.5655	0.59284	**1.348**	± 0.5461	0.20314	TATGAGATAGTTGAATGCAGACTTATAAATAATTAAAGATTAAAACAAAAA
plasmid_lp28-3	13968	BB_H20	**0.531**	± 0.3673	0.003493	**0.795**	± 0.2903	0.49079	**0.986**	± 0.7948	0.96408	**1.109**	± 0.8559	0.78964	GACTTAAAAATCATTAATAATAATATTGACCCTTCTTTGGCCCCCTTAAAC
plasmid_lp28-3	13984	BB_H20	**2.891**	± 1.1316	0.075008	**1.609**	± 1.6679	0.57069	**1.379**	± 1.2555	0.64029	**4.122**	± 2.6196	0.16657	TTAATGATTTTTAAGTCTAAGTCTATCAAATAAGGATCAAGCAGTGGCAAA
plasmid_lp28-3	14132	BB_H20	**0.579**	± 0.5913	0.525906	**0.951**	± 0.8758	0.94975	**0.83**	± 0.7421	0.79837	**0.514**	± 0.252	0.26588	ATGTCAAATAAATCTCCAAATAATAAGGAATTAGAATTGACAAAAAAAGAA
plasmid_lp28-3	14416	BB_H20	**1.620**	± 0.7745	0.060807	**1.661**	± 1.1847	0.27008	**0.905**	± 0.413	0.61428	**1.221**	± 0.5916	0.00953	AATTAGGGAGAGTGTTAAAGAATCACTTCTTTAGTTAATTAAATTTACTGA
plasmid_lp28-3	15846	IG 1208	**1.648**	± 1.2695	0.165068	**2.994**	± 3.1043	0.25808	**1.208**	± 0.7903	0.61442	**1.265**	± 0.8609	0.3072	CCACTAGATTTTTGATCAACATTATTGATCTTGATGATCACATGAGTAACA
plasmid_lp28-3	15965	IG 1209	**1.638**	± 0.5727	0.094142	**2.798**	± 2.906	0.40366	**1.066**	± 0.5919	0.89383	**1.764**	± 1.0135	0.36738	AGCAGCAGGTGTTTTTAGGTCTTTTTTTTTCTTTGCAATCTGTATACTATA
plasmid_lp28-3	16174	IG 1210	**0.665**	± 1.1852	0.782404	**1.292**	± 1.4216	0.74326	**0.994**	± 1.2628	0.99604	**1.992**	± 2.0612	0.13867	AAGACTGCAAAAAAAACATTCTAAATACATGTAAACTTGTTGCTTGGTGTA
plasmid_lp28-3	20387	IG 1211	**0.827**	± 0.4601	0.255475	**0.431**	± 0.3098	0.2806	**0.838**	± 0.4977	0.06725	**0.987**	± 0.6943	0.88962	AGTAGCCTGCTGAAGTGTGAAATTACTTTCGAAGAGTATTTATTTGTAAGC
plasmid_lp28-3	20810	BB_H30	**0.894**	± 0.6686	0.381557	**0.526**	± 0.4535	0.45954	**0.972**	± 0.7366	0.78246	**1.125**	± 0.963	0.26877	TTATGTTAAGTATATATTTCAGCATCATCTATAAAAATAATTTTAGGAAAG
plasmid_lp28-3	20818	BB_H30	**1.731**	± 1.1771	0.034556	**2.344**	± 2.447	0.46725	**0.702**	± 0.4855	0.43733	**1.695**	± 1.1962	0.12344	AGTATATATTTCAGCATCATCTATAAAAATAATTTTAGGAAAGCTTGTTTT
plasmid_lp28-3	20826	BB_H30	**1.091**	± 0.5829	0.439704	**1.604**	± 1.3956	0.28675	**0.802**	± 0.4211	0.34142	**1.043**	± 0.5572	0.76139	TTTCAGCATCATCTATAAAAATAATTTTAGGAAAGCTTGTTTTCAATGATT

plasmid_lp28-3	21412	IG 1212	**0.972**	± 0.4857	0.929988	**2.05**	± 1.2759	0.22859	**0.934**	± 0.1669	0.54128	**0.806**	± 0.3252	0.39147	CATAATATTATAGGATATAAAATAATACAATGTAAAATTTTAAGTAAGGAG
plasmid_lp28-3	21416	IG 1213	**1.781**	± 0.6417	0.031966	**2.591**	± 1.8965	0.21521	**1.359**	± 0.5101	0.31988	**1.481**	± 0.3842	0.03834	ATATTATAGGATATAAAATAATACAATGTAAAATTTTAAGTAAGGAGAATA
plasmid_lp28-3	22210	BB_H32	**1.389**	± 0.834	0.550906	**3.427**	± 1.9434	0.07743	**2.255**	± 1.151	0.02983	**1.898**	± 0.9453	0.18933	TACCCTTTAAAGGGTATATATATCCACTTTCTGAGTCAATATTGGCATCCT
plasmid_lp28-3	22230	IG 1214	**1.212**	± 0.3732	0.118992	**1.925**	± 1.4337	0.29939	**0.933**	± 0.2635	0.74148	**0.958**	± 0.3284	0.85879	TATCCACTTTCTGAGTCAATATTGGCATCCTTTCTCTCGGCAGCAGAACTA
plasmid_lp28-3	22622	IG 1215	**2.048**	± 2.0496	0.489749	**1.5**	± 1.0743	0.09004	**1.597**	± 1.333	0.38758	**1.388**	± 1.0519	0.49255	TTACAAATAATAATACAAAATATGTTGAAAATAATTTATTAAATAAAATAC
plasmid_lp28-3	22700	BB_H33	**1.556**	± 0.932	0.003284	**1.291**	± 1.1296	0.7555	**0.936**	± 0.494	0.82009	**0.679**	± 0.7699	0.67965	GCTTCAATTTTAAACAAATTCATTATTTATCCTCTTATAAAAACTTTTTAT
plasmid_lp28-3	22834	BB_H33	**0.957**	± 0.4226	0.914687	**1.14**	± 0.6268	0.63234	**3.215**	± 4.6934	0.50617	**0.947**	± 0.6252	0.82719	TATGTGCATCAATAAATCCTGGCAATATATACTCATCTAATATTGCATTAA
plasmid_lp28-3	22837	BB_H33	**1.111**	± 0.656	0.564169	**1.895**	± 1.7478	0.36934	**1.083**	± 0.375	0.65944	**1.01**	± 0.4252	0.92009	CATATAGAACGTTCTTTTTTTATTCCATCAAACTTTACGCATTTGGTAGTT
plasmid_lp28-3	22930	BB_H33	**1.727**	± 1.448	0.40639	**2.49**	± 2.8129	0.36224	**1.29**	± 1.1863	0.73886	**1.503**	± 1.0334	0.21747	CTATTTCATGAGGATCGCTAATTGTCGCCACAGTGCTATGTTGAACTACCA
plasmid_lp28-3	22979	IG 1216	**2.045**	± 1.0727	0.079707	**1.932**	± 1.5733	0.26182	**1.588**	± 0.8166	0.03973	**1.329**	± 0.5417	0.32141	GATTTTTCAATCCTTTACTGCCTTTTTTAAATGCGGAAAAAAACATTTACT
plasmid_lp28-3	23006	IG 1217	**1.254**	± 1.6579	0.58523	**3.558**	± 3.4036	0.10612	**1.057**	± 0.9776	0.94617	**1.468**	± 1.2049	0.37114	TGAAAGGTTTTTTATTGTTAAATTAATTAGGAGCTATTAATTATATGTCTA
plasmid_lp28-3	23049	IG 1218	**1.030**	± 0.538	0.896958	**1.185**	± 1.2918	0.76564	**0.745**	± 0.2972	0.28756	**0.598**	± 0.2969	0.05233	TATGTCTAAGGAAGGTTTAAGGTTTATTGCTATAATGGAATAAGGAATTAA
plasmid_lp28-3	23075	IG 1219	**1.363**	± 0.5855	0.213515	**1.699**	± 0.8702	0.1935	**0.766**	± 0.3975	0.15583	**1.114**	± 0.6991	0.75124	TTGCTATAATGGAATAAGGAATTAAGGTGGTTGGGGGCAACTGTCCCGAAG
plasmid_lp28-3	23969	IG 1220	**1.010**	± 0.4015	0.970602	**3.15**	± 3.1031	0.28318	**0.499**	± 0.3433	0.00486	**0.916**	± 0.3489	0.61697	TTAAGCACTATTTGGTTTGGTAAAGAAAAAATGAACGCTCACTATTTATGC
plasmid_lp28-3	24529	IG 1221	**1.408**	± 0.8159	0.219085	**1.769**	± 1.3087	0.2644	**1.163**	± 0.5732	0.32622	**1.144**	± 0.4957	0.33442	CTATATAAATGCTACTACTAATTTTTTATATAATCTTCCAATATTCTTTTT
plasmid_lp28-3	25520	BB_H37	**1.186**	± 0.6732	0.703586	**1.54**	± 1.4579	0.6218	**0.514**	± 0.3136	0.08308	**0.963**	± 0.6204	0.93623	TTCTTCTAAAAAAGGTGAGGCAATAGGAAGAAGAAGCTTTATAAAAGAAGT
plasmid_lp28-3	26221	BB_H37	**0.858**	± 1.0283	0.775165	**2.114**	± 2.4721	0.1144	**1.014**	± 1.2186	0.98859	**1.216**	± 1.3027	0.7427	AATGGCGTTCAAGAAAATGCTATTAATAATTTATATGGAAATAAAAAAGAA
plasmid_lp28-3	28301	IG 1222	**1.776**	± 1.0208	0.104856	**3.085**	± 2.4027	0.2026	**1.56**	± 0.7885	0.26081	**1.627**	± 1.3916	0.44535	AGTATGCTCAACAACATCTTAAAAAATTCAATTCCAAAAATAAAATCTAAA
plasmid_lp28-3	28407	IG 1223	**2.197**	± 0.8818	0.031554	**2.045**	± 1.4617	0.37344	**1.328**	± 1.7035	0.72931	**0.824**	± 0.4142	0.55691	TCTAGATTTGGTTTTTCTTGATTTGCTATTAAGGTTGACTGAATTTCTTAT
plasmid_lp28-4	237	BB_I01	**1.366**	± 1.2988	0.23145	**0.382**	± 0.3603	0.35713	**0.996**	± 0.8046	0.98398	**0.982**	± 0.9044	0.76529	TATATTATGTATAAGTCTGTAAAAGAACAACAAGAAAAAGGAATAGATCAT
plasmid_lp28-4	583	BB_I01	**2.152**	± 1.9085	0.211246	**0.519**	± 0.6733	0.46523	**1.03**	± 0.8912	0.9506	**1.144**	± 1.0341	0.56062	AATTGTTTTAATTCTTTGTAGAATAATTCTATTAGTTTTAACCAAATTTTT
plasmid_lp28-4	653	IG 1224	**3.805**	± 3.4063	0.249918	**2.319**	± 1.2709	0.18885	**1.304**	± 0.8086	0.64712	**1.197**	± 0.6696	0.30492	TATTTCTAAAGTTTTGAATAAGATTATTTTATAATGTATTTACAATTAAGT
plasmid_lp28-4	745	BB_I02	**3.199**	± 3.3448	0.355186	**1.79**	± 1.6065	0.44857	**1.218**	± 0.7207	0.60485	**1.403**	± 0.8195	0.4113	CTCCATCCATAATGAATTAGCCCCCTATTATATTAAATTTATATTACAAAT
plasmid_lp28-4	876	BB_I02	**2.304**	± 3.0071	0.194568	**1.613**	± 2.1573	0.2482	**1.328**	± 1.4535	0.10898	**1.186**	± 1.5081	0.24889	ATTGTAAGTTTTATTTGCACTATAAAGTAATTCTTTATTCATATGATCTAG
plasmid_lp28-4	879	BB_I02	**2.773**	± 1.3519	0.06711	**1.441**	± 0.8578	0.25043	**1.122**	± 0.404	0.05601	**1.052**	± 0.4296	0.07973	TGTCTTAATACAAAACAATTTTAATGAGGCTCTAGCTAAAACTTATCAACT
plasmid_lp28-4	917	BB_I02	**0.477**	± 0.2709	0.006996	**0.578**	± 0.4826	0.06276	**1.376**	± 0.4995	0.13266	**1.097**	± 0.4549	0.19532	AAACTTATCAACTTAGGGTTAATTATAAAACCCTATTAGAATATCTTGAAA
plasmid_lp28-4	938	BB_I02	**5.746**	± 3.5045	0.065618	**2.868**	± 3.0448	0.31218	**3.687**	± 2.6733	0.1748	**2.058**	± 0.9781	0.02681	ATTATAAAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAG
plasmid_lp28-4	944	BB_I02	**2.635**	± 0.3459	0.002793	**1.07**	± 0.32	0.69052	**0.918**	± 0.2478	0.62435	**0.938**	± 0.2273	0.69171	AAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAGTAATCT
plasmid_lp28-4	1186	IG 1225	**1.548**	± 1.5877	0.662317	**0.351**	± 0.6377	0.40954	**2.559**	± 3.2017	0.38998	**1.45**	± 1.3156	0.63033	TTATAGGCCATAATATACTAGGATAGATATTGGTTTACTATTTATATAATC
plasmid_lp28-4	1232	IG 1226	**3.185**	± 2.2017	0.093968	**1.648**	± 0.982	0.03672	**1.184**	± 0.7261	0.65395	**1.177**	± 0.72	0.55364	CCAATATAAAGCTAAATACAAAATAAATTCAATATATCTTTAAATTCTAGA
plasmid_lp28-4	1355	IG 1227	**3.196**	± 3.895	0.043285	**1.028**	± 1.9374	0.91039	**1.255**	± 2.0479	0.84722	**0.748**	± 1.1109	0.69749	ACACTAATTTTCCCAGTTTAAGTTTTATTTTGTTTTGGGCACTATAATAAT
plasmid_lp28-4	24209	IG 1228	**0.927**	± 0.499	0.496848	**0.654**	± 0.3664	0.42603	**0.937**	± 0.5087	0.52444	**1.201**	± 0.6784	0.44608	TTTTTTTATTTAGATTAATCAGCTTGGTTTAGTAGATAAAGAGGATGGGAA
plasmid_lp28-4	24325	BB_I39	**0.676**	± 0.2192	0.123675	**0.704**	± 0.4476	0.5178	**1.025**	± 0.3509	0.79011	**1.196**	± 0.5256	0.2155	CAATAAAAATGTTGATAACATTAAAATAGATAATAAAGCGCTAGCAAAACA
plasmid_lp28-4	24460	BB_I39	**1.509**	± 1.4692	0.549428	**1.361**	± 1.4016	0.66348	**1.3**	± 0.532	0.26905	**1.561**	± 0.5826	0.04692	CGTGTCTTCTAGATGAAGTTGAATATCCCTTGATGTTTCTAAAAATTGACC
plasmid_lp28-4	24641	BB_I39	**1.351**	± 0.7475	0.402256	**1.161**	± 0.53	0.56345	**0.791**	± 0.3781	0.4944	**1.25**	± 0.327	0.36316	AAAACATCATCTTGTTTAAGTTTAAAAGTCTCTAGAAAATCATATTTAGCA
plasmid_lp28-4	26279	IG 1229	**1.156**	± 0.5921	0.28517	**1.957**	± 1.0049	0.06092	**0.878**	± 0.4729	0.59573	**0.992**	± 0.675	0.94676	AATGTTTAATAAAATAGTGCTTAGATAAACTTGTATATTTACAACAGATTA
plasmid_lp28-4	26402	BB_I42	**0.852**	± 0.7402	0.660447	**1.214**	± 1.1953	0.27132	**0.613**	± 0.4815	0.43076	**0.718**	± 0.6794	0.64598	TTGGGTTGTTATTTGCCTGATAATCAGGAACAAGCTGTTCAAACTTTTTTT
plasmid_lp28-4	26738	BB_I42	**0.877**	± 0.9939	0.829849	**0.766**	± 0.4614	0.40865	**0.268**	± 0.3423	0.08904	**1.054**	± 0.6145	0.73703	TACGCATAAATTTATTATTGTTCTGCTCATTTTTTACCATAATAAACAACT
plasmid_lp28-4	26928	BB_I43	**2.122**	± 2.5037	0.558348	**1.161**	± 1.184	0.87204	**0.518**	± 0.3348	0.16402	**0.469**	± 0.3482	0.14085	GGAGTTCACAGATTTTATGTAGGTAAAATAGGAACTGGTCTATTATAAT
plasmid_lp28-4	26977	BB_I43	**0.365**	± 0.2504	0.080736	**1.325**	± 0.8114	0.63302	**0.435**	± 0.3073	0.03072	**0.468**	± 0.6616	0.35685	GTTTTCGGTTTGTTTATTTCTGACCCCGCAAGAAATACAAATCTCAGCATC
plasmid_lp36	9	IG 1230	**1.351**	± 0.861	0.370375	**1.515**	± 1.3457	0.47961	**0.77**	± 0.396	0.11339	**1.153**	± 0.6315	0.47456	ATTTATATAATCTTTTCACTTAACATTTTGTTATACAAAAATCTTAAATAT
plasmid_lp36	528	BB_K01	**2.210**	± 2.1305	0.442218	**2.169**	± 2.7843	0.57645	**1.65**	± 1.2536	0.51591	**3.217**	± 3.1019	0.28616	CTAATGAAGAAAAGGAAGCTGATGCAGCAATTAAATATTTAGAAGAAAATA
plasmid_lp36	640	BB_K01	**0.864**	± 0.7905	0.699867	**1.158**	± 0.4701	0.4646	**0.489**	± 0.4618	0.31729	**0.47**	± 0.3748	0.22802	TGCTTTAATAAAAGCTGATTTGTATGATGTAATTGGAAAGATTAACAATAA
plasmid_lp36	780	BB_K01	**1.112**	± 1.0874	0.240892	**1.521**	± 1.7381	0.34507	**0.729**	± 0.7219	0.1053	**0.941**	± 0.9711	0.29731	GTGAACTTGAGCAGCTTATAAATATGATTGATATGGCAGAAAATGAAATAA
plasmid_lp36	906	BB_K01	**1.516**	± 1.153	0.519457	**1.939**	± 1.1561	0.17753	**1.355**	± 0.842	0.24359	**1.463**	± 0.9412	0.00938	TTTTTACTCTCTAATCTTTTAATAATGCTTTCTTTTAACCTTTTCTGAGCG
plasmid_lp36	1220	BB_K02a	**0.987**	± 1.1943	0.98989	**1.005**	± 1.1115	0.99578	**0.397**	± 0.4111	0.4124	**0.867**	± 1.1021	0.82236	ATGCAGCGTAAATAGATTTGATGAGCCTCTGTTTGTGAAAGTCTGAGTTTG
plasmid_lp36	1239	BB_K02a	**0.035**	± 0.0675	0.188896	**0.166**	± 0.3145	0.12215	**0.079**	± 0.1011	0.16977	**0.116**	± 0.1459	0.22164	AGAAGAATGGATAAGCATAATGCAGCGTAAATAGATTTGATGAGCCTCTGT
plasmid_lp36	1540	BB_K02a	**0.365**	± 0.3162	0.032411	**0.646**	± 0.6226	0.02822	**0.75**	± 0.5037	0.03917	**0.908**	± 0.6086	0.30527	CTTAACTTTAGCTAAAAACACTTCCTTGCTAATAGTTAAAAATGATCCCGA
plasmid_lp36	1982	BB_K02a	**1.342**	± 0.6873	0.085022	**1.501**	± 1.2056	0.54354	**1.003**	± 0.5544	0.99495	**1.124**	± 0.7188	0.77054	TATTCTTTATACAGTGCCTTATACTTTGTTAAATTTAGTCCCTCTCTAAAA

plasmid_lp36	2002	BB_K02a	**1.014**	± 0.6786	0.862206	**2.204**	± 1.6396	0.11536	**1.17**	± 0.747	0.67433	**1.294**	± 0.8553	0.19705	TAAGGCACTGTATAAAGAATATAATAATGAAAAATTTATATTTCTGTATTC
plasmid_lp36	2744	BB_K02a	**1.054**	± 0.8722	0.939389	**0.392**	± 0.5697	0.17434	**1.408**	± 0.9422	0.6	**1.15**	± 1.1413	0.87273	CAATATCAAATCCTTCTTGAATATCTGGAAACTCAATTCCATAGTGAAAAA
plasmid_lp36	3053	BB_K02a	**0.695**	± 0.1938	0.101114	**0.898**	± 0.2465	0.56279	**0.874**	± 0.3402	0.16177	**1.005**	± 0.5261	0.97422	ATTATACCATTAAAGAAGATTTAGAAAAATCTAAAAAGATATACAAAGAAT
plasmid_lp36	3359	BB_K02a	**1.281**	± 0.8265	0.500227	**1.656**	± 1.7519	0.27484	**0.631**	± 0.5548	0.16589	**0.787**	± 0.8224	0.07389	TACTGTCTTGAATATTATATTTTTTAGCTTTATTAATAACATTTCTATACT
plasmid_lp36	3535	BB_K02a	**0.674**	± 0.6656	0.471648	**0.568**	± 0.4734	0.33068	**0.742**	± 0.2136	0.03745	**0.882**	± 0.2151	0.46499	GATATAAAAATCATTGATAATTCTTGTGGATCGGGAAATTTTTTAATTTCT
plasmid_lp36	4189	IG 1231	**2.306**	± 3.5439	0.156862	**1.589**	± 2.2262	0.67015	**1.014**	± 1.2565	0.98837	**1.62**	± 2.1111	0.60591	GTTTAAATCAATTCAATCCCATTGAGTATTTTACACCATTTTATAAGTTAT
plasmid_lp36	4342	IG 1232	**1.231**	± 0.6634	0.493185	**1.311**	± 1.136	0.29652	**0.794**	± 0.4811	0.36773	**0.886**	± 0.6081	0.79183	GATACAAAAAATCTTTTGAGTATGTCTATCAGTCAATCTAGTTTTAATGTC
plasmid_lp36	4345	IG 1233	**1.479**	± 0.3186	0.007631	**1.43**	± 1.1219	0.52482	**0.649**	± 0.2117	0.16656	**0.718**	± 0.1439	0.13948	ATCAAATAATTTAAAATAATTAAGTTTATGATAAATTTTAGTTCCAAAATT
plasmid_lp36	4791	IG 1234	**1.064**	± 0.266	0.594969	**1.221**	± 0.8245	0.59836	**0.739**	± 0.1413	0.12055	**0.873**	± 0.3094	0.42455	GATATTATCGATACCGTGAATGGAATTGATCTGAAATTGACTTTCAAAAAT
plasmid_lp36	4948	IG 1235	**1.215**	± 0.96	0.788161	**1.348**	± 2.1744	0.78598	**0.336**	± 0.3226	0.10595	**0.292**	± 0.3787	0.06293	GTATATATGATGGTTTGGGCTCTTCTAAAGTTAGTGTTTGTTCTATTTGTC
plasmid_lp36	4952	IG 1236	**0.805**	± 0.184	0.14529	**1.134**	± 0.1555	0.32581	**0.757**	± 0.0586	0.01997	**0.912**	± 0.1603	0.50147	TATACTATTTTCCTTATGCATCTAAACAGTGAAAGCAAAATCAAAATATAG
plasmid_lp36	4953	IG 1237	**1.200**	± 0.6173	0.100399	**2.082**	± 1.8592	0.26872	**0.988**	± 0.5382	0.92274	**1.108**	± 0.7177	0.64508	TATGATGGTTTGGGCTCTTCTAAAGTTAGTGTTTGTTCTATTTGTCATTAA
plasmid_lp36	5111	IG 1238	**0.737**	± 0.6867	0.329558	**1.03**	± 1.015	0.94725	**0.468**	± 0.3485	0.11053	**0.785**	± 0.5363	0.37559	TGAGGTTAAAATATAATGAATAATCAAAAATTTCAAAAACCTCCTATAGTA
plasmid_lp36	5623	BB_K07	**0.780**	± 1.1145	0.402861	**2.536**	± 3.7617	0.39109	**0.933**	± 1.0758	0.8756	**1.238**	± 1.548	0.43965	AAGATGGTGAAATTACTGGATGAGTTGCTAAAAATATCGGTAAGTAGCAAT
plasmid_lp36	5674	BB_K07	**0.443**	± 0.2307	0.050178	**0.154**	± 0.146	0.06019	**0.829**	± 0.4695	0.2558	**1.035**	± 0.5887	0.83417	TATTAATTAGTGTTTGAAAAACCGAATCAATTTTTTCTGATGAATTCTTAA
plasmid_lp36	5676	BB_K07	**1.284**	± 1.2873	0.614931	**1.08**	± 0.9947	0.9232	**0.796**	± 0.4059	0.55471	**0.52**	± 0.4015	0.10734	ATATAGGTTATAATGCTACCTATGCAGCCAAAAGTAATTTGAAGAATGGAC
plasmid_lp36	5683	BB_K07	**0.613**	± 0.7077	0.224174	**0.826**	± 0.8715	0.63091	**0.973**	± 0.3484	0.89208	**0.778**	± 0.5763	0.2505	GTGTTTGAAAAACCGAATCAATTTTTTCTGATGAATTCTTAATCAATTTGA
plasmid_lp36	5755	BB_K07	**0.789**	± 0.1761	0.20206	**0.644**	± 0.5616	0.46578	**0.706**	± 0.1472	0.05389	**0.675**	± 0.1362	0.10398	CTTCTATGTTTTTACTTTCCTTGGTATTTTTTTGATCTTCAATTTCTTTTT
plasmid_lp36	5895	BB_K07	**0.926**	± 0.5243	0.773267	**1.402**	± 0.5866	0.30801	**0.708**	± 0.2644	0.22874	**1.058**	± 0.3308	0.64879	CAGGTCTAAGTTCGGAAAAAATCACAAAATTAACTCCGGAAGAGCTAGAAA
plasmid_lp36	6010	BB_K07	**1.081**	± 0.6573	0.216269	**1.551**	± 1.6119	0.4648	**0.697**	± 0.3296	0.22492	**0.932**	± 0.4768	0.46746	CTGCTAATAATTTCATGTAAATGGCATGTAGACAATCCCATTGATGAAGCA
plasmid_lp36	6364	IG 1239	**0.745**	± 0.5627	0.471492	**1.381**	± 1.1711	0.58926	**0.599**	± 0.678	0.53402	**1.004**	± 0.8127	0.99589	AGATATTTAAAAGTTAAAAATCAAAATAGTTGAGTGCTGATCAAGACCGAA
plasmid_lp36	6706	IG 1240	**1.294**	± 0.6969	0.375241	**1.392**	± 1.1833	0.57809	**0.825**	± 0.3926	0.599	**1.138**	± 0.7493	0.79361	GTTGCAAGAACCCTTTGCCAAAGAAAGAAAATATTTTTCTCCTTTTTTATT
plasmid_lp36	7307	IG 1241	**1.277**	± 1.0889	0.250147	**1.697**	± 2.1069	0.46773	**0.886**	± 0.6457	0.22385	**0.988**	± 0.6286	0.9434	TAACTACACCGCCTAAAGGAGTTTACAAATGAGTAAACTAATATTGGCAAT
plasmid_lp36	7365	BB_K12	**1.020**	± 0.6214	0.339349	**1.544**	± 1.5577	0.43291	**0.704**	± 0.3638	0.21591	**0.92**	± 0.5186	0.33457	CTGCTAATAATTTCATGTAAATGGTATGTAGACAATACCATTGATGAAGCA
plasmid_lp36	7458	BB_K12	**0.884**	± 1.0308	0.873439	**2.156**	± 2.5577	0.53096	**0.769**	± 0.8781	0.72042	**0.316**	± 0.3535	0.018	TTAGATGAGATAAGTGAAGCCACAGGCCTAAGTTCGGAAAAAATCACAAAA
plasmid_lp36	7480	BB_K12	**0.807**	± 0.6266	0.292517	**0.9**	± 0.9523	0.79774	**0.514**	± 0.2147	0.11642	**1.068**	± 0.4343	0.44237	CAGGCCTAAGTTCGGAAAAAATCACAAAATTAACTCCGGAAGAGCTAGAAA
plasmid_lp36	7620	BB_K12	**0.998**	± 0.2122	0.989326	**0.549**	± 0.4818	0.31015	**0.633**	± 0.1268	0.06511	**0.823**	± 0.2446	0.46166	CTTCTATGTTTTTACTTTCCTTGGTATTTTTTTGATCTTCAATTTCTTTTT
plasmid_lp36	7692	BB_K12	**1.113**	± 0.581	0.645502	**1.941**	± 1.7673	0.41466	**0.96**	± 0.286	0.75713	**1.236**	± 0.6021	0.41151	GTGTTTGAAAAACCGAATCAATTTTTTCTGATGAATTCTTTATCAATTTGA
plasmid_lp36	7699	BB_K12	**1.126**	± 1.3782	0.783851	**1.139**	± 1.082	0.87881	**0.868**	± 0.5158	0.71403	**0.631**	± 0.7057	0.17024	ATATAGGTTATAATGCTACCTATGCAGCCAAAAGTAATTTGAAGAATGGAC
plasmid_lp36	7701	BB_K12	**0.480**	± 0.2369	0.006608	**0.241**	± 0.2913	0.10316	**1.148**	± 0.7268	0.65159	**1.24**	± 0.7371	0.49106	TATTAATTAGTGTTTGAAAAACCGAATCAATTTTTTCTGATGAATTCTTTA
plasmid_lp36	7752	BB_K12	**1.078**	± 1.4467	0.885355	**2.804**	± 3.893	0.39706	**0.988**	± 0.9883	0.98178	**1.087**	± 1.2953	0.80482	AAGATGGTGAAATTACTGGATGAGTTGCTAAAAATATCGGTAAGTAGCAAT
plasmid_lp36	7968	BB_K12	**1.425**	± 1.0929	0.143475	**2.64**	± 2.9028	0.2822	**1.22**	± 0.9129	0.28088	**1.259**	± 0.9358	0.43787	CACCTTCAAAGTATGTTTCTACATTTTTCATAAGAGTTTGAATACATTTTT
plasmid_lp36	7981	BB_K12	**1.032**	± 1.2942	0.94391	**1.516**	± 2.5129	0.33274	**0.93**	± 1.8797	0.79881	**1.522**	± 1.823	0.41722	AGTTCGCTGCATACACCTTCAAAGTATGTTTCTACATTTTTCATAAGAGTT
plasmid_lp36	8078	IG 1242	**0.808**	± 0.5044	0.717579	**0.964**	± 0.4549	0.92703	**0.297**	± 0.426	0.14807	**0.365**	± 0.5211	0.06886	TGCTTCAATTAGGTGTGTAGATCGCGTCATGGTATGAAACCGCAAGCTATT
plasmid_lp36	8395	BB_K13	**0.778**	± 0.9133	0.500504	**1.222**	± 1.3661	0.58263	**0.701**	± 0.5344	0.51294	**0.8**	± 0.5957	0.55067	CTTTGACAATATTAATGATATAAAGCCCGAAATGTTAGCAGATTCAATTAG
plasmid_lp36	8651	BB_K13	**1.505**	± 2.3647	0.677506	**0.385**	± 0.7587	0.3541	**0.52**	± 0.762	0.57196	**0.56**	± 0.9159	0.59773	TTAATATCATTTATAGTGTTACCGGTTAAGCTGTATCTAAGCCCCCAACTA
plasmid_lp36	8702	BB_K13	**0.917**	± 0.5669	0.822037	**0.653**	± 0.4337	0.25712	**0.811**	± 0.5043	0.28482	**1.118**	± 0.6074	0.55487	GAAGACGTTGATAAAATTTCTCTTTCGCTAAGACCCTTTACCGTAATATAA
plasmid_lp36	8798	BB_K13	**0.832**	± 0.2616	0.415912	**0.936**	± 0.1953	0.58009	**0.843**	± 0.1184	0.08552	**0.918**	± 0.2175	0.29987	ATTGATGATATAAACAAAAGTAACGAAAATAACAAGAAATATATTTCTTTT
plasmid_lp36	8861	IG 1243	**1.131**	± 1.2115	0.163493	**2.026**	± 2.7907	0.3939	**0.814**	± 1.0028	0.79085	**1.407**	± 1.1999	0.182	GATTGACCTCCTAAAAGCAATAATATATTAAATTACTGTATTTAAATTTAT
plasmid_lp36	9128	IG 1244	**1.285**	± 1.5931	0.659333	**2.367**	± 3.0711	0.19256	**1.079**	± 1.3003	0.62581	**0.911**	± 1.0877	0.89158	TTTTGAAATGTTAAATAATTATGTGCTATTTCTAAACACAAGATTATAAAA
plasmid_lp36	9239	IG 1245	**1.212**	± 0.5375	0.090666	**1.268**	± 0.5883	0.58635	**0.437**	± 0.1833	0.16137	**0.743**	± 0.2757	0.36413	AGGGCTTTATTTATGAAAAAAAATTAATATTATTAATCAATATTTTTTTAT
plasmid_lp36	9425	BB_K15	**1.091**	± 1.3746	0.778249	**1.263**	± 1.7975	0.8156	**0.213**	± 0.2633	0.21224	**0.801**	± 1.0807	0.7523	ACTTCTACAAAATTATTTATCCAAGATAAAAGTTCATTCTTTTCTCCCCGC
plasmid_lp36	9479	BB_K15	**1.224**	± 0.7033	0.585491	**1.647**	± 1.2652	0.19608	**0.985**	± 0.6199	0.9691	**1.114**	± 0.6688	0.67059	ATCAATATAATCTTCCATTTAAAAATGTTAGTTGGTATACACTAAGGAAAA
plasmid_lp36	9647	BB_K15	**0.241**	± 0.1652	0.007366	**1.831**	± 0.2519	0.03049	**0.259**	± 0.4203	0.09977	**0.769**	± 1.1841	0.77435	GCATTAAGAAGATTGCTAATAAAATTATGCAAAATGCGGGCATAGAATTCC
plasmid_lp36	9674	BB_K15	**1.249**	± 0.6268	0.074807	**2.179**	± 2.0405	0.28111	**0.975**	± 0.5021	0.79423	**1.149**	± 0.5396	0.42901	TGCAAAATGCGGGCATAGAATTCCAATTTAGATTTGAGGCAATAATGAGGC
plasmid_lp36	9727	BB_K15	**0.778**	± 0.821	0.111182	**1.411**	± 1.0403	0.42675	**0.789**	± 0.6251	0.74101	**0.863**	± 0.6545	0.74003	ACAGCCTCATTATTGCCTCAAATCTAAATTGGAATTCTATGCCCGCATTTT
plasmid_lp36	9734	BB_K15	**1.007**	± 0.2717	0.909411	**1.31**	± 0.5764	0.19188	**0.733**	± 0.1742	0.12796	**0.937**	± 0.2785	0.29445	TCAAGTAACAGCCTCATTATTGCCTCAAATCTAAATTGGAATTCTATGCCC
plasmid_lp36	10199	IG 1246	**1.069**	± 0.1955	0.379579	**1.376**	± 0.5901	0.24403	**0.844**	± 0.2093	0.00118	**1.033**	± 0.2769	0.55857	CAGTTGCAATTAAATATACTGGCACTTTGCGCTATAATTTAAGTTTAAAGA
plasmid_lp36	10457	BB_K17	**1.230**	± 1.348	0.385555	**1.906**	± 2.5568	0.24413	**0.517**	± 0.5325	0.42816	**0.989**	± 0.9661	0.9809	TATGCGCATCAATAAATCCTGGCAGCACATATTCATCCAATGTCGCATTAA

plasmid_lp36	10550	BB_K17	**1.163**	± 1.2114	0.563057	**1.827**	± 2.6607	0.44073	**0.772**	± 0.7533	0.53828	**1.387**	± 1.3049	0.07602	TTTCATGAGGATCGCTTATTGTAGCCACAGTGCCGTGTGCAACTACTAAAT
plasmid_lp36	10584	BB_K17	**0.487**	± 0.1477	0.032825	**1.078**	± 1.0315	0.8871	**0.521**	± 0.3795	0.23085	**0.924**	± 0.5151	0.65972	AAATTGATGCCATCAATACCATTAACATTGGCTATTTCATGAGGATCGCTT
plasmid_lp36	10596	BB_K17	**1.090**	± 0.5622	0.086531	**1.984**	± 1.9413	0.36161	**0.957**	± 0.353	0.82245	**1.247**	± 0.7686	0.28127	ATTCTAAAAAAACCGAGTTTAAATTTTTTTTGGAGCTCCTTCTTGTGTGC
plasmid_lp36	10728	BB_K17	**0.673**	± 0.9447	0.299205	**0.562**	± 0.9284	0.61995	**1.343**	± 0.8466	0.53189	**1.415**	± 1.0622	0.46772	TTTACTATTTGGCTGAAGTAATGGATTTTAAAGGCGTGATTAACAAAGATA
plasmid_lp36	10873	BB_K17	**3.777**	± 3.188	0.186823	**6.858**	± 10.856	0.42137	**1.732**	± 1.3213	0.42078	**2.163**	± 2.3704	0.50863	TGCATCTTCAGGCATTAGCACTGATCATGAATGTTTAACAATAGAAGATGC
plasmid_lp36	10955	BB_K17	**0.526**	± 0.3491	0.127739	**0.793**	± 0.3575	0.5885	**0.333**	± 0.2289	0.1745	**0.885**	± 0.4331	0.78139	GTATTTTCATGCCCAAAGATAATTTATATCTTGCATCTTCTATTGTTAAAC
plasmid_lp36	11336	BB_K17	**1.100**	± 0.5472	0.200027	**1.574**	± 1.3055	0.31381	**0.723**	± 0.3582	0.14404	**1.114**	± 0.6027	0.17082	AACAATTTTAATTGTAGCAAAAAATCTATTTCGGATTTTAAATTTTCCACT
plasmid_lp36	11630	BB_K17	**0.921**	± 0.6507	0.868965	**1.091**	± 0.9026	0.89027	**0.5**	± 0.3107	0.17313	**0.995**	± 0.3374	0.98415	CTTGTTGGAAGCAATGATGAATATTTGTGTAAAGCGGCAAATACAATCATC
plasmid_lp36	11650	BB_K17	**0.915**	± 0.3639	0.738892	**1.448**	± 0.5305	0.14869	**1.361**	± 0.5087	0.31465	**1.425**	± 0.5546	0.08452	TTCATCATTGCTTCCAACAAGTATGATGTTGTGAGAATCATGAGCAACTGT
plasmid_lp36	12037	IG 1247	**1.066**	± 0.3518	0.679922	**1.401**	± 0.5422	0.27777	**0.901**	± 0.2129	0.12574	**1.013**	± 0.1779	0.76919	TCTATTAAGGATTATTAATTGTGTGTCTGGCAGTTTTTTATTTTAAAAATT
plasmid_lp36	12038	IG 1248	**1.065**	± 0.4284	0.817497	**1.479**	± 1.1156	0.35128	**0.764**	± 0.5107	0.43463	**1.059**	± 0.439	0.72596	GATAATAACAGACAAAAAACTTTTGAGTTCCTTCTACAATTTTATCGCTTA
plasmid_lp36	12054	IG 1249	**0.941**	± 1.0225	0.912578	**1.4**	± 1.6268	0.66927	**0.924**	± 0.9352	0.9052	**1.753**	± 1.1084	0.33111	ATTGTGTGTCTGGCAGTTTTTTATTTTAAAAATTTTATGCATTAAATCCTT
plasmid_lp36	12156	IG 1250	**0.553**	± 0.3744	0.104757	**0.615**	± 0.5397	0.25574	**0.764**	± 0.1135	0.02588	**0.98**	± 0.1307	0.76518	ATATCCTGTAATAACGCAAAACGTTACTATTGATTTAATTTATGGAAACCA
plasmid_lp36	12163	IG 1251	**0.832**	± 0.7801	0.444795	**1.575**	± 2.3328	0.63749	**0.855**	± 0.7219	0.78174	**0.842**	± 0.5172	0.31383	CAGGATATTATTTATGGTGCTTGTGCCTCCAAACAGCAATCAAAAACTACT
plasmid_lp36	12376	IG 1252	**1.760**	± 1.461	0.174394	**1.481**	± 1.6562	0.35766	**1.273**	± 1.1944	0.407	**1.247**	± 1.2382	0.61522	CATCTAAAAATAAATCAATAAAAAATCATTTTTGTTTCGGCTCCGCTTTTA
plasmid_lp36	12513	IG 1253	**1.996**	± 1.2106	0.319978	**1.428**	± 0.4981	0.28559	**1.004**	± 0.5466	0.99287	**1.755**	± 0.3539	0.05022	ATTAATAAATATCTTTTTTTAAAATAAAATTTTTATAGAGGTAATAAAAAA
plasmid_lp36	12615	BB_K19	**0.906**	± 0.7161	0.883929	**0.726**	± 0.416	0.14169	**0.675**	± 0.4389	0.52484	**0.845**	± 0.3511	0.54965	ATATATTTTTTCAATTTATAACTCCTTAATTTAATATTTACTTTATTTAAA
plasmid_lp36	12995	BB_K19	**2.197**	± 2.3467	0.434041	**1.863**	± 1.7428	0.14631	**1.022**	± 0.8982	0.97689	**0.268**	± 0.2449	0.22019	TCTTATTATCTTTAAATTCTAATAAAATATGATCATTATGTTTTTTTATGG
plasmid_lp36	13002	BB_K19	**0.950**	± 0.0956	0.294315	**1.495**	± 0.8616	0.41031	**0.699**	± 0.0845	0.00895	**0.934**	± 0.0771	0.28942	TAATTCGATTATCTGAACTTAAAAAACATTTACTAAAAAGCAAGAAAAAAC
plasmid_lp36	13248	IG 1254	**1.299**	± 0.9991	0.314265	**2.307**	± 2.5259	0.33657	**0.905**	± 0.6248	0.08175	**1.239**	± 0.9265	0.24175	CTACATTTCAATAAAATAAAGAAGCCCCTAAAAATAGGGGCTTCTTTATTT
plasmid_lp36	13370	IG 1255	**0.550**	± 0.6021	0.490652	**1.126**	± 1.9368	0.70397	**0.719**	± 0.9242	0.46608	**1.162**	± 1.3539	0.84903	TTAAAAATACAAATCTAAAATTAAGTGATATTCTTTAGATTTACAGTGGCT
plasmid_lp36	15971	IG 1256	**1.238**	± 0.9867	0.767596	**2.106**	± 2.7229	0.47115	**1.158**	± 0.7772	0.80591	**1.468**	± 1.322	0.56705	GAATAATAAATAACAACCAGGGTGTAAATAATCAAAACAATCTAAAAAAAT
plasmid_lp36	17085	IG 1257	**1.364**	± 0.4297	0.070372	**1.661**	± 1.136	0.35251	**0.763**	± 0.2102	0.18636	**0.938**	± 0.3032	0.78391	ATAAGCTCTCTATCACTATGTTTTTATAATTATCTACAAAGTAAAGAAATA
plasmid_lp36	17929	BB_K55	**1.182**	± 0.4687	0.604844	**0.895**	± 0.9097	0.80831	**0.843**	± 0.2905	0.60355	**0.732**	± 0.4864	0.53187	TAAAGAGATACATTTGGATCATTTGTTTTTATAATGTAATCGG
plasmid_lp36	18045	BB_K55	**1.167**	± 0.8074	0.653774	**1.752**	± 1.4793	0.05115	**0.868**	± 0.6688	0.71616	**1.448**	± 1.0741	0.18602	TATTTGCTTCTGTTGAATTATCATCTATTGAAGAAAGTTTATTTTTTATAA
plasmid_lp36	18380	BB_K55	**1.003**	± 1.1688	0.996796	**0.068**	± 0.1269	0.16043	**0.358**	± 0.4024	0.23386	**0.718**	± 1.3343	0.80078	TAAGCTCCATACCTTTCCATTTGAAAGTATTCCATAATGTTTTTGATATTG
plasmid_lp36	18489	IG 1258	**0.766**	± 0.6569	0.557412	**1.372**	± 1.8019	0.40716	**0.617**	± 0.5625	0.3782	**0.889**	± 0.9298	0.50901	GCTAAATAAAATAAACCATTCTTGTTATTTGTATTCTTTTTTGTCTTCAAT
plasmid_lp36	18492	IG 1259	**0.736**	± 0.9769	0.598091	**1.488**	± 2.1937	0.70179	**0.744**	± 0.5463	0.49553	**0.819**	± 0.9029	0.7083	TATTATAAGAAAAGAAAGCTACCTAAAAACAAGTAATGTAATAGCAGTTGA
plasmid_lp36	18669	IG 1260	**0.860**	± 0.9858	0.265891	**1.158**	± 1.2156	0.42018	**0.787**	± 0.5503	0.56689	**0.867**	± 0.6839	0.6158	CTTTAAATTCTTTGTCATATATATTTTTTTTACAATTTTAAATACTATAGA
plasmid_lp36	18694	IG 1261	**1.897**	± 0.8378	0.113308	**1.159**	± 0.5636	0.69874	**1.103**	± 0.6387	0.85132	**1.503**	± 1.3853	0.4006	TAACGAGTAAATTCTTTGTCTGATACTTTAAATTCTTTGTCATATATATTT
plasmid_lp36	18949	IG 1262	**0.494**	± 0.4764	0.064968	**1.232**	± 1.5406	0.77648	**0.772**	± 0.9057	0.26512	**0.887**	± 0.5955	0.56181	TTTGTAGAAGATAAGGTTAAATATTTGAATAATGAAAGTTTGCTAAGTATT
plasmid_lp36	19271	IG 1263	**0.945**	± 0.8788	0.723489	**1.061**	± 1.1229	0.86545	**0.708**	± 0.4545	0.4323	**1.172**	± 1.1039	0.34992	TATATTCACTTTCCTCATATTCTTTGTATGTAAGTAGCAACTTTGTTTACT
plasmid_lp36	19562	IG 1264	**0.289**	± 0.2583	0.07531	**0.677**	± 1.0432	0.50524	**0.548**	± 0.3744	0.22759	**0.526**	± 0.399	0.41633	AGTATTTCTTGCTTTATTTTATTTTGTTCTTTTATGCTTAGTCTTCTGTAG
plasmid_lp36	19578	IG 1265	**1.144**	± 1.1418	0.860552	**1.275**	± 1.2707	0.77881	**0.696**	± 0.689	0.64346	**0.666**	± 0.466	0.56149	TTTTATTTTGTTCTTTTATGCTTAGTCTTCTGTAGCTAGGAATATGTTTTG
plasmid_lp36	19612	IG 1266	**1.073**	± 0.5967	0.824346	**0.994**	± 0.2697	0.93819	**0.95**	± 0.3248	0.57668	**1.093**	± 0.3433	0.59618	GCTAGGAATATGTTTTGAGAAGAATTCTGATTCATTAAACTTAGTTTTCTC
plasmid_lp36	19737	IG 1267	**0.971**	± 1.1043	0.9753	**2.252**	± 3.7962	0.63902	**1.416**	± 0.9359	0.42604	**0.816**	± 0.932	0.79428	AAATTTTTCCACTATGGAATTGAGTTTCCAGATGTTCAGGAAGGATTTGAT
plasmid_lp36	19833	IG 1268	**0.714**	± 0.9117	0.305678	**1.1**	± 0.9128	0.89308	**0.965**	± 0.736	0.95777	**0.779**	± 0.64	0.42047	TCTGCAATATCACTAAATTCTAGTTCATTAAGAAAGCATATATTTGCTAAT
plasmid_lp36	19875	IG 1269	**1.105**	± 0.611	0.786457	**1.343**	± 0.5532	0.40625	**0.85**	± 0.2751	0.49959	**1.019**	± 0.8065	0.97251	TTTGCTAATTATAAACTTAACTATATTTATCAATTTCAAAATCAAAAAAGA
plasmid_lp36	20108	IG 1270	**0.573**	± 0.419	0.431772	**0.632**	± 0.5576	0.39955	**0.318**	± 0.2251	0.22925	**0.593**	± 0.4096	0.42463	CATTTAAACTTTTTTCAATTTTATTTAGAAGTTATTTTTTAAGATCTGTTT
plasmid_lp36	20412	BB_K32	**1.268**	± 0.8053	0.254242	**2.285**	± 1.7421	0.18456	**0.901**	± 0.4679	0.51708	**1.042**	± 0.496	0.82679	TTTGGCTTTGGGATTACTTTTTGGTTTTATAAGTTGTGATTTATTCATAAG
plasmid_lp36	20510	BB_K32	**0.982**	± 0.1792	0.730954	**1.188**	± 0.4214	0.57307	**0.834**	± 0.1308	0.02754	**0.97**	± 0.115	0.73702	GAGTTTCCCTTATCAAATAAGCCAGGGGATTCCTCTTTCATTTCATATCTT
plasmid_lp36	21039	BB_K32	**0.314**	± 0.5033	0.220102	**1.208**	± 1.3971	0.7367	**0.464**	± 0.5144	0.47318	**0.795**	± 1.0038	0.80972	TTTAACACCTTCTAGATAAGATTGATATCGATTGCTTAATCTTATTTCCTC
plasmid_lp36	21079	BB_K32	**0.766**	± 0.6267	0.532292	**1.253**	± 1.1716	0.56764	**0.96**	± 0.6932	0.93022	**0.808**	± 0.6677	0.75895	TATAATACTTATACATTATTTTCAACAAAGCTAACCCAAATGTATTCTACA
plasmid_lp36	21354	BB_K32	**1.025**	± 0.4754	0.830891	**1.096**	± 0.4912	0.58455	**0.858**	± 0.285	0.35827	**1.226**	± 0.3718	0.308	TAAATTAGATTGTTCTTTGATCTTTGCAATTAAAGTTTTTATTTCTGCTTC
plasmid_lp36	21368	BB_K32	**0.896**	± 0.5818	0.553055	**1.962**	± 2.1893	0.36044	**0.735**	± 0.4942	0.17856	**0.734**	± 0.5051	0.43009	AAGCAATAGTAACGTCAATCTTATTAATGAGGGATTCTCTTAAAGAAGTGC
plasmid_lp36	21494	IG 1271	**0.069**	± 0.0713	0.024611	**0.692**	± 0.8704	0.68804	**0.045**	± 0.0797	0.02915	**0.308**	± 0.2336	0.00655	AATATGTAGCTTGTTTAAAGTAAAATAATTAAAGTTCTAGTTGTAAAAAAG
plasmid_lp36	21522	IG 1272	**1.136**	± 0.4769	0.308833	**1.936**	± 1.2293	0.19077	**0.796**	± 0.2874	0.46273	**1.164**	± 0.4129	0.58522	ATTATTTTACTTTAAACAAGCTACATATTTACATATTATGTA
plasmid_lp36	21686	IG 1273	**0.549**	± 0.6447	0.087267	**0.291**	± 0.3986	0.3142	**1.245**	± 1.2064	0.39622	**0.51**	± 0.5781	0.54327	GTAAAAGCTATTCTAAATACTTACTTTAAAACATGGCAATCTACCAATTCT
plasmid_lp36	21702	IG 1274	**1.037**	± 0.7527	0.93841	**1.105**	± 0.5505	0.74553	**0.657**	± 0.5648	0.4411	**1.339**	± 0.3167	0.23026	CAAAATGGTATTGTCAGCTTGATTCCAATCTTAATTTCATTTTATCAACTC

plasmid_lp36	21951	BB_K34	**0.964**	± 0.5675	0.770495	**0.885**	± 1.1051	0.77559	**0.75**	± 0.4142	0.18435	**0.911**	± 1.0513	0.80638	CTATACTATTTAATAAGAGAAAAATTTATTTATCACTCAATATTAAGCTTG
plasmid_lp36	21956	BB_K34	**1.758**	± 0.2884	0.046757	**2.134**	± 1.5522	0.33899	**1.03**	± 0.27	0.86215	**1.511**	± 0.3139	0.14019	GTATAGTAATGATATCCAAAGTATCAAGGGGCCATTATTCTTCATTAGATA
plasmid_lp36	22015	BB_K34	**0.957**	± 0.3165	0.845443	**1.003**	± 0.4489	0.99354	**0.883**	± 0.2651	0.61652	**0.932**	± 0.3257	0.79335	AATAGGGGAAAAAACAAGCTTAATATTGAGTGATAAATAAATTTTTCTCTT
plasmid_lp36	22052	BB_K34	**0.896**	± 0.6734	0.330964	**1.923**	± 2.1103	0.40732	**0.76**	± 0.5372	0.17381	**1.333**	± 1.2479	0.5457	AATATCAAGTAAATTTAAATTGGATAGTAAAATATTAAATAGGGGAAAAAA
plasmid_lp36	22263	IG 1275	**0.588**	± 0.8241	0.058612	**1.66**	± 1.1677	0.05283	**0.554**	± 0.5536	0.44263	**0.821**	± 0.6985	0.79511	TGTTAAAAGGTTTTTATTCAAACTGAAAAATATGGGTAAAGTTAAAAAGCC
plasmid_lp36	22323	BB_K35	**1.492**	± 0.5663	0.299506	**2.081**	± 1.3402	0.30689	**0.978**	± 0.2384	0.91595	**1.185**	± 0.3267	0.3497	TATTAAATATGGTAGAGATAATCAGCTTAATGTAGAAGGTAAAGATAGAAA
plasmid_lp36	22325	BB_K35	**1.786**	± 1.772	0.393033	**1.391**	± 0.8688	0.27278	**0.967**	± 0.7968	0.88363	**1.199**	± 0.9489	0.60039	ATATAGCTAAGCGGCTTTTTAACTTTACCCATATTTTTCAGTTTGAATAAA
plasmid_lp36	22337	BB_K35	**1.166**	± 0.8478	0.492649	**0.99**	± 0.7078	0.91422	**0.347**	± 0.1817	0.11011	**0.701**	± 0.405	0.17351	GAGATAATCAGCTTAATGTAGAAGGTAAAGATAGAAATCATATAGATGTGA
plasmid_lp36	22340	BB_K35	**1.076**	± 0.3168	0.014443	**1.732**	± 1.0403	0.23806	**0.915**	± 0.2116	0.36883	**1.104**	± 0.3753	0.16254	TCTCTACCATATTTAATATAGCTAAGCGGCTTTTTAACTTTACCCATATTT
plasmid_lp36	22598	IG 1276	**1.064**	± 0.5359	0.890441	**1.962**	± 1.2749	0.31888	**0.818**	± 0.2693	0.41546	**1.23**	± 0.4946	0.43362	GTAATATTCATTAATGTGAATCTCTAAATCTCTGGCATACATTTTAAATGT
plasmid_lp36	22910	IG 1277	**6.684**	± 6.397	0.255189	**0**	± 0	0.01495	**0.216**	± 0.3779	0.11409	**1.812**	± 3.1626	0.67781	AATTAATCATTTTTTAAATATTTATTGGTTTTTATTTGTTAAGCCAAACTA
plasmid_lp36	23014	IG 1278	**1.449**	± 1.0926	0.430879	**1.907**	± 1.2237	0.1504	**0.927**	± 0.7187	0.75946	**1.234**	± 0.8142	0.56772	GTAGGCTCTATTGCAACAAGCATGACTAATTTTATCTTTTTATGTAATAAA
plasmid_lp36	23131	BB_K37	**0.663**	± 0.4882	0.339721	**0.322**	± 0.4138	0.12262	**0.676**	± 0.4523	0.44492	**1.291**	± 0.995	0.70022	TTATCTACAATATTAGCCTTCTTGTTAGTATTAGGTTGTGATTTGTCAAGC
plasmid_lp36	23334	BB_K37	**1.541**	± 1.1263	0.419317	**2.089**	± 1.2567	0.13996	**0.737**	± 0.7876	0.64569	**1.452**	± 0.8409	0.38808	TGCTTCTCTTAATGTTTGCTATGTTGATGCAACTTATTCTTTAGAAAAAGC
plasmid_lp36	24166	BB_K0058	**1.151**	± 0.7873	0.713643	**1.524**	± 1.719	0.51782	**1.263**	± 1.6112	0.7675	**0.862**	± 0.5324	0.76192	CCTTCTCTTGTAAGCCAAATTAAAGAAACAGCTAGAAGGATAGAGGCAGGT
plasmid_lp36	24285	IG 1279	**1.223**	± 0.8823	0.719325	**1.672**	± 2.3465	0.58319	**0.965**	± 0.7961	0.94049	**1.744**	± 0.9956	0.29149	AGTAGCATATGCTTACTATAAAAATATTAGAAATGGCAAAAGAAAGTGGCC
plasmid_lp36	24294	BB_K39	**0.894**	± 0.2269	0.516836	**0.755**	± 0.1485	0.03513	**0.59**	± 0.057	0.00787	**0.652**	± 0.0694	0.00579	TGCTTACTATAAAAATATTAGAAATGGCAAAAGAAAGTGGCCTTAAGCATG
plasmid_lp36	24297	BB_K39	**1.483**	± 0.8336	0.058176	**1.359**	± 0.8697	0.59236	**0.763**	± 0.5825	0.05218	**0.795**	± 0.6833	0.05533	AGCATATGCTACTTATCCCTGTCTTAAGATTATCTTTAAGTGCTCCTGCTA
plasmid_lp36	24522	BB_K39	**1.016**	± 1.0032	0.983765	**1.1**	± 1.0953	0.73436	**0.764**	± 1.0005	0.80203	**1.041**	± 1.1666	0.95051	TCGCCAAAAAGGCTTTCTACTTTTCCCATTAACCCAGTTACACACTCCTTA
plasmid_lp36	24785	IG 1280	**0.757**	± 0.6539	0.624905	**0.693**	± 0.5621	0.635	**0.466**	± 0.4422	0.35484	**0.534**	± 0.4575	0.46906	GTTTTAGGGGTTCTTATGTCTAGTTTGCTATGAGCTATCAGAGAACTAGTA
plasmid_lp36	24833	IG 1281	**0.781**	± 0.3462	0.252072	**0.971**	± 0.9271	0.9436	**0.591**	± 0.3796	0.1185	**0.904**	± 0.4695	0.57478	CTAGTTCTCTGATAGCTCATAGCAAACTAGACATAAGAACCCCTAAAACTA
plasmid_lp36	24947	IG 1282	**1.734**	± 1.0743	0.177607	**2.607**	± 3.4634	0.41911	**1.125**	± 1.1189	0.81371	**1.836**	± 1.43	0.04212	CTAATACTAAAAGATGACTTAGAAAGAACTTTGATTTTGTCACTAGCTTTG
plasmid_lp36	25003	IG 1283	**0.941**	± 0.5093	0.704865	**1.535**	± 1.2238	0.38715	**0.827**	± 0.3109	0.39339	**1.058**	± 0.7776	0.78353	GGTTGTCAAAGCTAGTGACAAAATCAAAGTTCTTTCTAAGTCATCTTTTAG
plasmid_lp36	25064	IG 1284	**2.044**	± 2.1274	0.395501	**2.91**	± 3.4011	0.27374	**1.447**	± 1.5194	0.27968	**1.759**	± 2.5224	0.40763	GATAACAAAAGTAGTTAAATTGCAGTAAAGGAGGGTTATATGAGTAATTTT
plasmid_lp36	25376	BB_K40	**0.944**	± 0.4996	0.269367	**1.179**	± 0.91	0.56487	**0.626**	± 0.279	0.18578	**0.753**	± 0.3007	0.236	AAGACAGTAAGAAGTGAGCTTAAGGGTGAGATAGTAAAGTTAGATGAAAGA
plasmid_lp36	25591	BB_K40	**1.747**	± 0.7519	0.216858	**1.749**	± 0.4295	0.06652	**1.175**	± 0.185	0.10667	**1.559**	± 0.5736	0.21783	AAATGGATATATCAAGCTTTTTATATGCGAGTTGTTCTCACTTCTTATTTC
plasmid_lp36	25669	IG 1285	**0.973**	± 0.2812	0.057936	**1.03**	± 0.5725	0.89821	**0.662**	± 0.1679	0.15015	**0.97**	± 0.2968	0.73008	AGTGTACTTATCCATTTTAGCATTAATTTATTCTTAACAGTATTATTATGA
plasmid_lp36	25765	IG 1286	**2.510**	± 0.8588	0.003157	**3.905**	± 3.8927	0.31105	**2.231**	± 2.6721	0.49615	**2.166**	± 1.9986	0.38955	TCTTAGGCTTTTTTAAAAATTATCTTGCCTCTTAGACCATTCTTGATCATA
plasmid_lp36	25774	IG 1287	**0.677**	± 0.6784	0.360209	**0.32**	± 0.4742	0.40769	**1.07**	± 1.2323	0.76138	**0.87**	± 0.9446	0.55874	CTTAGGCTTTTTTAAAATAAGAAGATATTGTTGTGCTAGTTATATTGATTT
plasmid_lp36	25813	BB_K41	**0.813**	± 0.5307	0.541661	**2.071**	± 1.3832	0.03845	**0.852**	± 0.5793	0.73644	**1.307**	± 0.9045	0.09998	ACTAGCACAACAATATCTTCTTATTTTAAAAAAGCCTAAGTACTTGTATCT
plasmid_lp36	25853	BB_K41	**1.586**	± 1.4675	0.501858	**1.595**	± 1.9611	0.2805	**0.611**	± 0.6751	0.43415	**0.535**	± 0.8889	0.64795	GTAGCAAGGCTACCTTTACTATCATCATTCATATAAATTAATGTTTTGTGT
plasmid_lp36	25862	BB_K41	**1.380**	± 0.6847	0.199055	**1.663**	± 1.2423	0.33632	**0.817**	± 0.2819	0.17827	**1.057**	± 0.3311	0.78262	GCCTTGCTACTATACTTAATGACTTAGAAAAGGATGCCAAATCAATATAAC
plasmid_lp36	25908	BB_K41	**0.574**	± 0.6193	0.46354	**0.891**	± 0.8977	0.88244	**0.645**	± 0.4144	0.31668	**1.133**	± 1.1509	0.8507	GTTTAATGATAAGATAAGCTTGAGCTACCTTCTCTTTAGTAATCCCATCAA
plasmid_lp36	26123	BB_K41	**0.365**	± 0.4265	0.418517	**1.236**	± 1.2845	0.61433	**0.701**	± 0.8658	0.57949	**1.06**	± 1.634	0.95996	AGACTACTAAGCTTTGTAATCTCATAAATAACATCTTTAAGAGATTGGTTT
plasmid_lp36	26276	BB_K41	**1.001**	± 0.4572	0.998153	**1.211**	± 1.461	0.773	**0.769**	± 0.663	0.39869	**0.807**	± 0.4201	0.57515	AGATGGCTGGGCTTGAGGCTTATAGCATTTCCCATAAATTAAAAGATCTTG
plasmid_lp36	26452	IG 1288	**1.245**	± 0.6933	0.156025	**2.307**	± 2.6584	0.39224	**0.941**	± 0.4985	0.63944	**1.065**	± 0.777	0.70184	GCTTCAAGAGTTTCTTTAATAAGAGCATCTTTTTTTGAGTCTAAGTTTGTA
plasmid_lp36	26932	BB_K42a	**1.160**	± 0.4457	0.416591	**2.061**	± 1.6693	0.26662	**0.986**	± 0.4383	0.87029	**1.292**	± 0.6854	0.1372	GTTTATGATTCTAGCAATTATGCTCCTTTATTAGAAAATTCAACTACTGGC
plasmid_lp36	27034	BB_K42a	**1.061**	± 0.5511	0.286491	**1.776**	± 1.417	0.27967	**0.869**	± 0.3999	0.36404	**1.19**	± 0.6732	0.3456	TATATTGGTAAAAATAAGTTTGTTAAGCTTTATAAGCATCTCCTATAAGTA
plasmid_lp36	27078	BB_K42a	**0.448**	± 0.2682	0.135637	**1.121**	± 0.8102	0.14737	**0.599**	± 0.3074	0.26247	**0.806**	± 0.5219	0.62492	TAGGAGATGCTTATAAAGCTTAACAAACTTATTTTTACCAATATATATATC
plasmid_lp36	27134	IG 1289	**0.841**	± 0.2768	0.192931	**1.272**	± 0.6083	0.33589	**0.727**	± 0.1635	0.18574	**0.787**	± 0.1884	0.10173	GTAACAATATAGTGCGTAACTAGAAAGAAACATTTAATTTTAAAAATTAAT
plasmid_lp36	27233	IG 1290	**0.822**	± 0.5669	0.723512	**0.951**	± 0.8269	0.83909	**0.481**	± 0.413	0.21026	**0.295**	± 0.3072	0.11494	AATGAATTACTTTACCAGGGAGCTTAAAATATTTATCTTAGAAATAATGGA
plasmid_lp36	27315	IG 1291	**2.140**	± 1.2838	0.073167	**0.957**	± 0.5242	0.9121	**1.175**	± 0.5108	0.25541	**1.361**	± 0.7621	0.36181	TTTTTGTTAAAATCCAAAAGCTTCCTTATTTATAAGTAAGTGTCATGTCTT
plasmid_lp36	27399	BB_K45	**1.101**	± 0.5777	0.822927	**1.953**	± 1.0159	0.21937	**1.099**	± 0.5498	0.66834	**1.493**	± 1.1274	0.42875	CTTAAAGCAGCTTCATGTGCTTTATTTAACTCTTCAAACTCTTTATTTGCT
plasmid_lp36	27542	BB_K45	**0.003**	± 0.005	0.165318	**0.125**	± 0.2313	0.22628	**0.438**	± 0.5313	0.17746	**0.699**	± 0.86	0.52762	TATGAATGATGCTAAAGAAGCAATGGGCAGGGCTAAAGTTAGCCTTAAGAC
plasmid_lp36	27687	BB_K45	**0.874**	± 0.7198	0.295257	**1.492**	± 1.5554	0.39732	**0.715**	± 0.5084	0.1622	**0.869**	± 0.5969	0.39239	ACTCTAATTATTCAGATGCAGTAAGTGCCTTAAAAAGTTCTAAGCACGATT
plasmid_lp36	27690	BB_K45	**1.441**	± 0.9431	0.153902	**1.792**	± 1.4325	0.17399	**0.977**	± 0.6218	0.9587	**1.435**	± 0.8292	0.43641	GCATAAGCATGGCTGCTACTAACTTTGCGAATAGCTTGATCAAGTTTAGGC
plasmid_lp36	27705	BB_K45	**1.107**	± 0.6285	0.551511	**1.252**	± 1.2362	0.66965	**0.564**	± 0.3132	0.21103	**1.117**	± 0.3357	0.5924	GCAGCCATGCTTATGCTAACTCTAATTATTCAGATGCAGTAAGTGCCTTAA
plasmid_lp36	27852	BB_K45	**1.736**	± 0.8904	0.068883	**2.075**	± 1.8804	0.27256	**1.357**	± 0.7646	0.26356	**1.363**	± 0.6089	0.26101	CAGATTTAGAAACAATAAAGTCAAGACTTAATAATATAAAAAGTAAAGTTG
plasmid_lp36	28178	BB_K45	**0.996**	± 0.9719	0.991517	**0.14**	± 0.164	0.19718	**0.647**	± 0.5664	0.39708	**0.89**	± 0.9311	0.3534	TAGCTTGCAAGAGATAAAGCTTAAAAATAAACTGAATATTAATACTTTAAT

plasmid_lp36	28248	BB_K45	**1.086**	± 0.439	0.641341	**1.215**	± 0.3575	0.28721	**0.904**	± 0.2597	0.64676	**1.162**	± 0.2063	0.3022	ACTTTATGCAAAAATAGAGTATTATTGTAATACAATATCATTATATTACAT
plasmid_lp36	28332	IG 1292	**1.529**	± 1.4573	0.429876	**1.957**	± 1.7606	0.26624	**0.861**	± 0.8885	0.72346	**1.217**	± 1.1299	0.74715	ACATATAACTCATATTCTTGATTACTAATAATAAATGTAATATAATGATAT
plasmid_lp36	28445	BB_K46	**0.956**	± 0.8739	0.936696	**1.594**	± 1.7316	0.66278	**0.449**	± 0.6848	0.51747	**1.332**	± 1.4189	0.76656	TCAGGCAAATGCAGACTTTGAAGAGCTAAATAAAGCATATGAAGCTGCTTA
plasmid_lp36	28533	BB_K46	**0.989**	± 0.508	0.917376	**1.453**	± 1.2747	0.46695	**0.711**	± 0.3432	0.3894	**0.99**	± 0.5545	0.97222	TAAATGACGCTAAAGATGCAATGGAGAGGGCTAAAAGGATGCTAGATAACG
plasmid_lp36	28852	BB_K46	**1.181**	± 0.6661	0.3654	**1.228**	± 0.823	0.46682	**0.77**	± 0.3271	0.16982	**0.817**	± 0.4104	0.04527	GTCTAGCGCACTCTTCTGTAGAAGATTCAATTTCCTTCATAATATTACTAT
plasmid_lp36	29013	BB_K46	**1.177**	± 0.3837	0.260266	**1.507**	± 0.8432	0.45431	**0.918**	± 0.4233	0.74485	**0.946**	± 0.4871	0.78375	TGAAACAAAACATAGACAAAAATCATTTAGTTGTTGCAGATATGCAAAATG
plasmid_lp36	29095	BB_K46	**0.537**	± 1.0585	0.697038	**4.132**	± 6.8012	0.46971	**1.127**	± 1.4615	0.91763	**1.404**	± 1.4722	0.40891	GACAACAACAAGTCTTTTAATACTTTAGGAAGCAGCAATGAGAGTAGAAGT
plasmid_lp36	29213	IG 1293	**1.329**	± 0.6672	0.518324	**1.572**	± 0.7199	0.20137	**0.695**	± 0.622	0.51996	**1.029**	± 0.6651	0.94686	GATGAATTTAATTGCTAAATTATTTATTTTATCCACTTTAGTTTCAATTCC
plasmid_lp36	29299	IG 1294	**0.643**	± 0.555	0.42699	**0.934**	± 1.359	0.94436	**0.24**	± 0.2302	0.23643	**0.874**	± 0.969	0.87979	TTTTTCTATTTTTATAAATGTGATATATTTATTTTTTAAGAATAAAGCATA
plasmid_lp36	29402	IG 1295	**1.444**	± 1.2473	0.650687	**1.921**	± 1.8833	0.36181	**0.672**	± 0.7659	0.34997	**1.52**	± 1.5686	0.49741	TATAAGCTTTTCTAGTAAAGATGGGATTATATATGAGTAGAGATATTAAAG
plasmid_lp36	29403	IG 1296	**3.223**	± 2.9664	0.25779	**0.567**	± 0.7438	0.53167	**1.059**	± 1.1522	0.91868	**2.44**	± 2.7944	0.4672	TATATCGGCTTACCTAAATTAACTATTTCACTTCCCTCTTGCCTTTACAAG
plasmid_lp36	29428	IG 1297	**1.159**	± 0.2367	0.142795	**1.362**	± 0.3307	0.22503	**0.855**	± 0.1683	0.37923	**1.075**	± 0.2787	0.24924	ATCCCATCTTTACTAGAAAAGCTTATATATCGGCTTACCTAAATTAACTAT
plasmid_lp36	29493	BB_K47	**1.344**	± 0.6407	0.396328	**2.1**	± 2.0177	0.36987	**1.133**	± 0.8292	0.75538	**1.65**	± 0.7407	0.13905	TTTTCTATTTCTTTTTTGCAAGAATTTCCCTGTTGAAGATAATCAATAGCT
plasmid_lp36	29552	BB_K47	**0.823**	± 0.4638	0.420706	**0.523**	± 0.4362	0.19823	**0.64**	± 0.1818	0.19517	**1.324**	± 0.4692	0.06064	TACACAAAAAGCTATTGATTATCTTCAACAGGGAAATTCTTGCAAAAAAGA
plasmid_lp36	29670	BB_K47	**1.356**	± 0.3517	0.249864	**1.736**	± 1.2955	0.46183	**0.61**	± 0.2006	0.2105	**1.167**	± 0.4552	0.63048	AAAGACTATACAATGGCAATTCATACCGGTTCGGTGGCAGTTTTAACGGAC
plasmid_lp36	29673	BB_K47	**0.958**	± 0.7028	0.9307	**0.335**	± 0.4483	0.20307	**0.476**	± 0.5864	0.52509	**0.957**	± 1.1699	0.96885	TAAATAGATTCTGCTAGTTTATCCTTAGCCTCATCTAGCATGCCTTTAGCA
plasmid_lp36	30012	BB_K47	**1.121**	± 0.6141	0.648407	**1.265**	± 0.935	0.55049	**0.81**	± 0.3691	0.50053	**1.038**	± 0.6399	0.79717	TTCCTTCAGAAGAAGAAATTAAAGCTAACTTAGATGAATTTGCACAAGAAG
plasmid_lp36	30139	BB_K47	**1.157**	± 0.7394	0.403102	**1.85**	± 1.9557	0.40584	**0.736**	± 0.4167	0.06318	**1.011**	± 0.6534	0.94318	CAAAATGACTCGCATGCTCAAAATAATGTAAAGATGGAAGAAAATAAATCA
plasmid_lp36	30142	BB_K47	**1.082**	± 1.2397	0.823599	**0.587**	± 0.6182	0.47877	**0.957**	± 1.2682	0.96866	**1.159**	± 1.457	0.80384	TTATTGCTGGACTTGAATTTGGTAGGGATTCTTTATTATTAGCACCAGGAT
plasmid_lp36	30183	BB_K47	**1.320**	± 1.5561	0.786588	**0.888**	± 1.2156	0.84047	**0**	± 0	0.03866	**0.662**	± 0.6576	0.37317	GCACCAGGATCATCTGACATATGTTGATTAGAACCTACTTGTAAGATTGGA
plasmid_lp36	30226	BB_K47	**1.255**	± 0.3058	0.044776	**1.144**	± 0.426	0.67279	**0.845**	± 0.2475	0.24964	**1.046**	± 0.3378	0.67585	AGATTGGATCATAAGTTTTTTTATTTGATGATGTAACGTCTTTAGGAGATT
plasmid_lp36	30312	BB_K47	**1.318**	± 0.6915	0.243501	**1.792**	± 1.3143	0.29009	**0.901**	± 0.2629	0.60434	**1.163**	± 0.4448	0.06098	GTAGTATTTTTATTTTCTTGATGATCTTTTAATGCTAATGCAAACTGTTCT
plasmid_lp36	30361	BB_K47	**1.158**	± 0.5175	0.17455	**1.892**	± 1.0652	0.14921	**0.948**	± 0.3109	0.66756	**1.165**	± 0.417	0.16172	GAACAGTTTGCATTAGCATTAAAAGATCATCAAGAAAATAAAAATACTACT
plasmid_lp36	30544	IG 1298	**2.011**	± 1.1632	0.261901	**1.384**	± 0.5475	0.27566	**1.073**	± 0.612	0.81565	**1.065**	± 0.6138	0.88204	TATTATAATTATTATTAATATAGATATTATTTGCTATATAAGTACATAACA
plasmid_lp36	30615	IG 1299	**1.464**	± 0.7568	0.102791	**1.738**	± 0.669	0.17582	**0.78**	± 0.3493	0.50659	**1.621**	± 0.7375	0.17051	AAGTTAAGAGAAAATAAAGTGTTGTTTAGAAAAAGAGTATTATAAACAAAG
plasmid_lp36	30723	BB_K48	**1.276**	± 1.3532	0.790579	**0.348**	± 0.6395	0.3656	**0.89**	± 0.6976	0.68581	**2.02**	± 1.8995	0.22911	GATAAGTAAAAGTAAAATATTAAAGACAAGCCAGACAATACTTTATGAGGT
plasmid_lp36	30751	BB_K48	**0.375**	± 0.6217	0.348118	**0.32**	± 0.3295	0.14432	**0.163**	± 0.2465	0.00998	**0.236**	± 0.4162	0.16384	TATAAAAAAATTGCAAGATATGGACTCTAGATAAGTAAAAGTAAAATATTAA
plasmid_lp36	30777	BB_K48	**1.328**	± 0.7323	0.421201	**1.771**	± 1.5229	0.42878	**0.828**	± 0.3904	0.31897	**1.237**	± 0.5839	0.42493	AAGACTTTCAAGAGTTAAATGATATATATAAAAAATTGCAAGATATGGACT
plasmid_lp36	30902	BB_K48	**1.027**	± 0.843	0.893451	**1.335**	± 0.956	0.23314	**0.616**	± 0.3642	0.13645	**0.731**	± 0.5799	0.03512	GTAGCTCTCATGCCTTGAAGCATTGCTATTACTTAATGCCTCTTCTAAAGC
plasmid_lp36	31078	BB_K48	**1.224**	± 0.7699	0.484972	**0.843**	± 0.9446	0.49373	**1.271**	± 0.6755	0.55651	**1.24**	± 0.6811	0.44164	GGCTAGGCAATAAGGCTAAGTTAGCTTTACTAGATCCCACACCTCTTCTAG
plasmid_lp36	31263	BB_K48	**0.563**	± 0.9431	0.031126	**0.762**	± 1.0534	0.34783	**0.362**	± 0.4528	0.38355	**0.825**	± 0.9694	0.82844	GCTTCACTAGCTTCATTATCTTGGATATTAACTTGTAGAGTATGGTTGCTG
plasmid_lp36	31272	BB_K48	**1.730**	± 1.492	0.166024	**2.173**	± 2.4025	0.32063	**1.129**	± 0.6911	0.72432	**2.117**	± 1.5257	0.01125	GCTTCATTATCTTGGATATTAACTTGTAGAGTATGGTTGCTGCTACTATTA
plasmid_lp36	31290	BB_K48	**0.442**	± 0.3683	0.28736	**0.391**	± 0.4162	0.01268	**0.348**	± 0.4511	0.25764	**0.777**	± 0.4063	0.17969	ATATCCAAGATAATGAAGCTAGTGAAGCTAGAAACATTATGACGGAAATTG
plasmid_lp36	31579	BB_K48	**0.822**	± 0.8402	0.705797	**1.26**	± 1.2975	0.72061	**0.754**	± 0.3754	0.01335	**0.719**	± 0.5447	0.16374	AATTCACCTTATTACTTCTCTTTAGAATCTGATATTCTTATATTAAAAAAT
plasmid_lp36	31763	IG 1300	**1.235**	± 1.0423	0.6858	**1.833**	± 1.902	0.56023	**0.631**	± 0.5092	0.16225	**0.431**	± 0.4049	0.36961	GAAAAACTTATATCAGCTTACCTAAATTAACTATCTCACTCCTATCTTGCC
plasmid_lp36	31835	BB_K49	**1.570**	± 2.1339	0.221981	**0.639**	± 0.8853	0.59084	**0.731**	± 1.1034	0.55648	**0.481**	± 0.7707	0.37043	AAGCTTTAAAACTTCCAGTGTAGGCTTTAGTTTTTTTAATATCTCTAATCA
plasmid_lp36	31902	BB_K49	**1.073**	± 0.2378	0.375945	**1.587**	± 0.9391	0.32256	**0.784**	± 0.3097	0.05469	**1.054**	± 0.429	0.79837	TATGGAAAATGCTATTAGTTTTCTTCAATATGGAAATTCTTGCAGAAAAGA
plasmid_lp36	31905	BB_K49	**0.921**	± 0.4938	0.57225	**1.484**	± 1.2265	0.29029	**0.824**	± 0.4787	0.1622	**0.981**	± 0.6054	0.67436	TTTAATGCATTCAGTAGCAAGATCTATAGCTCTTTTTGCTAAATCTTGTAT
plasmid_lp36	31931	BB_K49	**0.581**	± 0.5927	0.205787	**1.164**	± 1.1485	0.39238	**0.637**	± 0.667	0.31131	**1.031**	± 1.0626	0.87456	TAGCTCTTTTTGCTAAATCTTGTATATTGCGTTTGTTAAAATTACTGCCTA
plasmid_lp36	32041	BB_K49	**0.650**	± 0.4768	0.271838	**0.79**	± 0.7126	0.64201	**1.171**	± 0.5666	0.67904	**1.458**	± 0.6347	0.16723	TCTCGAGCCACATCTAGCATATCTTTAGCAGACCCCCAAGAATTAGTTGCT
plasmid_lp36	32260	BB_K49	**1.124**	± 0.6113	0.595969	**1.896**	± 1.4673	0.24663	**0.719**	± 0.3709	0.14593	**0.718**	± 0.4964	0.08239	ATTCTGAAAATAACTTAAACAATACACTCCTTGAGTTTAAAGAATTTCATC
plasmid_lp36	32498	BB_K49	**1.169**	± 0.7639	0.39757	**1.814**	± 1.9049	0.41342	**0.722**	± 0.4055	0.04784	**0.998**	± 0.6394	0.98674	CAAAATGACTCGCATGCTCAAAATAATGTAAAGATGGAAGAAAATAAATCA
plasmid_lp36	32542	BB_K49	**1.218**	± 1.3582	0.84568	**1.003**	± 1.4582	0.9953	**0.032**	± 0.0418	0.12114	**0.682**	± 0.7396	0.33067	GCACCAGGATCATCTGACATATGTTGATTAGAACCTACTTGTAAGATTGGA
plasmid_lp36	32585	BB_K49	**1.285**	± 0.357	0.067855	**1.188**	± 0.4853	0.62476	**0.871**	± 0.2749	0.33516	**1.073**	± 0.3889	0.58922	AGATTGGATCATAAGTTTTTTTATTTGATGATGTAACGTCTTTAGGAGATT
plasmid_lp36	32671	BB_K49	**1.292**	± 0.651	0.28273	**1.738**	± 1.2525	0.31606	**0.877**	± 0.2239	0.45428	**1.16**	± 0.4158	0.14649	GTAGTATTTTTATTTTCTTGATGATCTTTTAATGCTAATGCAAACTGTTCT
plasmid_lp36	32720	BB_K49	**1.087**	± 0.4635	0.318756	**1.915**	± 0.9859	0.12882	**0.944**	± 0.2839	0.63339	**1.19**	± 0.3724	0.11192	GAACAGTTTGCATTAGCATTAAAAGATCATCAAGAAAATAAAAATACTACT
plasmid_lp36	32831	IG 1301	**1.690**	± 1.1461	0.060567	**1.558**	± 1.5514	0.50087	**0.8**	± 0.5296	0.54617	**1.37**	± 0.9778	0.35571	TATTTCCTTTTTAATAAAACTTTGTTATGTACTTATATGGCAAATAATATC
plasmid_lp36	33116	BB_K50	**1.750**	± 0.4932	0.05221	**1.691**	± 0.6213	0.02505	**1.474**	± 0.7538	0.45151	**1.306**	± 0.4923	0.46388	TATCATTTAACTCTTGAAAGTCCTTATTTGTCTTAGTCATATTTTCATTAA
plasmid_lp36	33139	BB_K50	**1.238**	± 0.8779	0.50936	**1.657**	± 1.4896	0.40781	**0.705**	± 0.3754	0.00125	**1.121**	± 0.6477	0.49295	AGGACTTTCAAGAGTTAAATGATATATATAAAAAATTGCAAGATATGGACT

plasmid_lp36	33232	BB_K50	**1.467**	± 1.4969	0.689801	**1.336**	± 1.2215	0.6629	**0.344**	± 0.4999	0.07254	**1.459**	± 1.1982	0.58814	ATGCTAATGATGCAATGGAGAGTGCTAAAAGTTTGCTAGAGGTTGCTAAGA
plasmid_lp36	33235	BB_K50	**1.246**	± 0.5692	0.166695	**1.451**	± 1.2212	0.43928	**0.812**	± 0.2708	0.39149	**1.163**	± 0.4672	0.18176	TTTATCCGGTAATGGTAAAGATAATTGTACCCCCTAAAATGAGGTATATCT
plasmid_lp36	33396	BB_K50	**1.512**	± 0.8239	0.349518	**1.483**	± 0.8258	0.39908	**0.508**	± 0.1762	0.07202	**0.792**	± 0.7306	0.5705	TGCCTCTCTTAATGTTTGCTATACTGATGCAATTGCTGCTTTAGCAAAAGC
plasmid_lp36	33403	BB_K50	**0.633**	± 0.6854	0.086756	**0.299**	± 0.2144	0.17546	**0.278**	± 0.3062	0.08965	**0.419**	± 0.6248	0.20727	GTAGTTATGCCTCTCTTAATGTTTGCTATACTGATGCAATTGCTGCTTTAG
plasmid_lp36	33604	BB_K50	**0.729**	± 0.3782	0.440898	**0.683**	± 0.5458	0.2682	**0.672**	± 0.5797	0.58692	**0.511**	± 0.3445	0.25492	TACAAAAAGCTTCTACCTCTTTAGAAGAAGCTGAGAAAGTAAATGCAGCTT
plasmid_lp36	33787	BB_K50	**0.968**	± 0.9105	0.935673	**1.096**	± 1.7305	0.94386	**1.012**	± 1.2593	0.98886	**1.01**	± 0.9442	0.98923	TTTTGTTGTTGATCATTTCTGTTTTGATTACTTTCTTTTACCCCAATTTCT
plasmid_lp36	34079	BB_K50	**1.124**	± 0.1725	0.424899	**0.952**	± 0.4637	0.86861	**0.817**	± 0.0929	0.15355	**1.136**	± 0.0898	0.11469	ATGAATTTAATAATTAAAGTGATGTTGATATCCAGTTTATTTTCTAGCTTT
plasmid_lp36	34081	IG 1302	**1.027**	± 1.1037	0.948319	**0.287**	± 0.369	0.28472	**0.785**	± 0.4496	0.42014	**0.844**	± 0.558	0.27197	TAATGAATTTAATAATTAAAGTGATGTTGATATCCAGTTTATTTTCTAGCT
plasmid_lp36	34137	IG 1303	**0.709**	± 0.4736	0.318172	**1.208**	± 1.0969	0.75839	**1.077**	± 0.7661	0.38915	**0.813**	± 0.4903	0.64822	TATGTGATATAATGATAAAATATTCTAATAATATTCTATTTTAGATAGAGG
plasmid_lp36	34754	BB_K52	**0.670**	± 0.5503	0.56384	**0.841**	± 0.6826	0.75401	**0.458**	± 0.386	0.2735	**0.651**	± 0.5637	0.36047	TATGCCTGCATATCTTACTATAAAAGATAAAGAAACCGATAAATATAAAAC
plasmid_lp36	34992	BB_K52	**1.179**	± 0.7483	0.394775	**1.529**	± 1.2227	0.31951	**0.751**	± 0.533	0.29973	**0.905**	± 0.4144	0.76193	AGATAATAGCATTTGAATCAACTAAAGAGTTTGAAAAAAAATACGAAATAA
plasmid_lp36	35088	BB_K52	**1.203**	± 0.377	0.386388	**2.075**	± 1.2146	0.24852	**0.447**	± 0.1678	0.02379	**0.974**	± 0.3736	0.89956	TTTTTTCACCCATTCGATTCAAAACTTTTTTTAGTTATAATTATAGCATTA
plasmid_lp36	35090	BB_K52	**1.308**	± 0.5819	0.277808	**1.546**	± 0.4829	0.04809	**0.893**	± 0.27	0.15363	**1.258**	± 0.6544	0.41849	TATTTTTTCACCCATTCGATTCAAAACTTTTTTTAGTTATAATTATAGCAT
plasmid_lp36	35093	BB_K52	**1.170**	± 0.433	0.369635	**1.592**	± 0.911	0.18997	**0.974**	± 0.3474	0.88721	**1.232**	± 0.5052	0.1798	AGAGTACCTAAGTTCTCTAAGATCTTCAATTAAATTGTTATTTTTATCTTT
plasmid_lp36	35180	BB_K52	**1.543**	± 0.4454	0.136957	**2.366**	± 1.3227	0.16592	**1.1**	± 0.4061	0.75222	**1.105**	± 0.8283	0.80682	TGTTACATGGGCAAAATCTGGTGACTTAAGGGTTTTAAAAGATAAAAATAA
plasmid_lp36	35218	BB_K52	**1.217**	± 1.4859	0.615975	**1.163**	± 1.2002	0.8661	**0.852**	± 0.8587	0.81057	**1.253**	± 1.1814	0.55886	AAAGAGGGGGACGTGCTTGAATTACTTGCAGGTGGTTATGTTACATGGGCA
plasmid_lp36	35787	IG 1304	**1.267**	± 0.6037	0.259544	**2.009**	± 0.9646	0.09395	**0.897**	± 0.409	0.61302	**0.999**	± 0.6187	0.99368	AATGTTTAATAAAATAGTGCTTAGATAAACTTGTATATTTACAACAGATTA
plasmid_lp36	35913	BB_K53	**0.930**	± 0.7327	0.833799	**1.361**	± 1.2901	0.09453	**0.663**	± 0.5068	0.41027	**0.733**	± 0.678	0.64826	TTGGGTTGTTATTTGCCTGATAATCAGGAACAAGCTGTTCAAACTTTTTTT
plasmid_lp36	36249	BB_K53	**0.793**	± 0.7975	0.702946	**0.604**	± 0.4493	0.18295	**0.265**	± 0.343	0.11887	**1.06**	± 0.541	0.47201	TACGCATAAATTTATTATTGTTCTGCTCATTTTTTACCATAATAAACAACT
plasmid_lp36	36485	IG 1305	**0.408**	± 0.2344	0.106184	**1.43**	± 0.9959	0.56156	**0.453**	± 0.3312	0.04536	**0.508**	± 0.6374	0.45946	GTTTTCGGTTTGTTTATTTCTGACCCCGCAAGAAATACAAATCTCAGCATC
plasmid_lp38	425	IG 1306	**1.149**	± 0.6376	0.273402	**1.715**	± 1.4628	0.33156	**0.509**	± 0.2311	0.09512	**0.738**	± 0.3366	0.09222	ATACTAATTATTTAATTATAGTATTATTGCATTATATTATAGTTAAGGAGA
plasmid_lp38	1575	BB_J02a	**1.775**	± 0.9014	0.144942	**1.883**	± 1.9787	0.43554	**0.992**	± 0.4149	0.96152	**1.753**	± 0.7294	0.02557	TTGCAGCCGTAATGAAATATGAAAGCGAAAAAGCACCCGTATTATTACTAT
plasmid_lp38	1625	BB_J02a	**0.625**	± 0.463	0.222765	**0.848**	± 0.6819	0.68652	**0.86**	± 0.2347	0.12771	**1.088**	± 0.2129	0.44567	TAACTTTTTAAATGTCTCTTTGACTTTAGGAATAGGATCTTTTTTTTGGCC
plasmid_lp38	2072	BB_J02a	**1.645**	± 2.9993	0.562201	**1.094**	± 1.3788	0.79773	**1.058**	± 1.3072	0.95323	**1.025**	± 1.2694	0.97699	ATACCATTTAGAAATCAAAAATTAAAGAAATGGCTCCTTGCTTCGGTTATA
plasmid_lp38	2876	BB_J05	**0.970**	± 1.0199	0.952309	**1.438**	± 1.5539	0.36779	**0.475**	± 0.4965	0.22741	**0.684**	± 0.6841	0.43432	TTTTCCATCAATTAAACTATGCAGTAGTTGCCACATTAAAAATGACTCTAA
plasmid_lp38	3318	BB_J05	**0.724**	± 0.3172	0.097649	**1.74**	± 1.3469	0.39908	**0.604**	± 0.2546	0.01262	**0.767**	± 0.2584	0.07477	GATACTAAAAATAACAGTGAAACTAAAGGCAATAAAAAAGAGATATTTGGT
plasmid_lp38	3493	BB_J05	**1.379**	± 0.7395	0.210708	**1.935**	± 2.1538	0.37227	**1.116**	± 0.6456	0.39357	**1.243**	± 0.7543	0.12657	ATAATCAAAAAAACTCAATAAGAATGGAAAATTGTTATATAAAGCTATCTA
plasmid_lp38	3527	BB_J05	**1.294**	± 0.3702	0.081372	**1.726**	± 1.0781	0.28084	**0.807**	± 0.2008	0.08076	**1.116**	± 0.2947	0.10133	TGAAAGTAAGAAAATAATAAAACTTTTAGAACTAATAATCAAAAAAACTCA
plasmid_lp38	3549	BB_J05	**0.789**	± 0.6311	0.001414	**0.948**	± 0.9319	0.79895	**1.004**	± 0.6961	0.87788	**1.065**	± 0.6917	0.26795	GAACACAATAATTTTCTAAATATGAAAGTAAGAAAATAATAAAACTTTTAG
plasmid_lp38	3552	BB_J05	**0.859**	± 0.7034	0.105993	**0.945**	± 0.9399	0.81821	**1.016**	± 0.6461	0.90607	**0.894**	± 0.5855	0.42811	TTTCCTTTTTTAATTTATCTAAAAAATTATTATATGCAGAGTTTAAGTCAA
plasmid_lp38	3680	BB_J05	**0.516**	± 0.8126	0.568179	**1.337**	± 1.0391	0.60274	**1.244**	± 1.7853	0.86585	**1.166**	± 1.2573	0.78312	TTACCTATCCAAGTAAATATAAATAAGAATTTCTATTCTTAAAGAAAGTTA
plasmid_lp38	3828	BB_J05	**1.598**	± 0.8982	0.380487	**2.408**	± 2.1163	0.34971	**0.898**	± 0.5288	0.51542	**1.214**	± 0.8853	0.46157	ATTAGCGCTAATAAAGCTTATAAGCATAGAATATATCTTAACGGCAATCAA
plasmid_lp38	3856	IG 1307	**1.375**	± 1.4923	0.317973	**2.392**	± 3.3046	0.39048	**0.819**	± 0.7652	0.17724	**0.815**	± 0.5694	0.7086	CTTAAGCGTATATGTCACAGAAGATAACCATTAATAATCACTGTGTATATT
plasmid_lp38	3946	IG 1308	**0.322**	± 0.2385	0.106933	**0.489**	± 0.4332	0.23586	**0.748**	± 0.2549	0.20041	**0.673**	± 0.3679	0.0426	TGCCTATATTTAGTAACTAATACTAGGTGATAATTAATTGAATATACACAG
plasmid_lp38	4159	IG 1309	**1.968**	± 1.2462	0.079477	**1.711**	± 1.8424	0.47337	**0.736**	± 0.3907	0.32825	**1.759**	± 1.0175	0.22072	CTTATTTAGATAAGTATTGCTGAAAACCTTATTTTTGGTCTAGAAGCTATT
plasmid_lp38	4221	IG 1310	**1.245**	± 1.1496	0.534735	**2.303**	± 1.7414	0.25241	**0.689**	± 0.5609	0.34583	**0.811**	± 0.555	0.67569	TAGAGATAAGGCAATAGCTTCTAGACCAAAAATAAGGTTTTCAGCAATACT
plasmid_lp38	4289	IG 1311	**1.400**	± 0.516	0.273548	**0.992**	± 0.392	0.98111	**0.961**	± 0.3446	0.85165	**1.344**	± 0.4237	0.12409	TTAGCAAATTCATCTCCACCTAAATTTCATAGAAATTATAGGTGAAGAATT
plasmid_lp38	4388	IG 1312	**0.830**	± 0.3489	0.24469	**1.288**	± 0.564	0.32341	**0.818**	± 0.5366	0.42626	**0.545**	± 0.4097	0.32707	TTTCACTTCAGAAAGAAATTAACAAGTTGTTTAACTAAAAGTAACAAAGAA
plasmid_lp38	4624	BB_J08	**0.889**	± 0.8394	0.599102	**2.201**	± 2.7084	0.434	**0.875**	± 0.4022	0.61298	**1.263**	± 0.668	0.40237	GATTCTAAATTGCCTAATAAAGAGCAAAAAAATAACAATGATATAAAAGAA
plasmid_lp38	4895	BB_J08	**0.590**	± 0.5408	0.490269	**1.508**	± 1.4868	0.4951	**0.387**	± 0.4115	0.1185	**0.722**	± 0.6471	0.29343	CTAACCTTATTAGCAGATGTCTCTAAAGACACTACATGCCCTACAGGGAGG
plasmid_lp38	5225	BB_J08	**1.147**	± 1.0856	0.732689	**0.509**	± 0.5715	0.00247	**1.582**	± 1.7458	0.67265	**0.766**	± 0.7905	0.15266	ATTTCATCAAGTTCATCCACTATCTTTAAATTATTTTGCAATTGTGTTAGT
plasmid_lp38	5753	IG 1313	**1.482**	± 0.4549	0.001797	**1.736**	± 1.2809	0.43354	**0.904**	± 0.366	0.71211	**1.258**	± 0.6441	0.51712	ATAATAAGTCTTTGAAAAATGATAGTAAAAGTATGGATTCTCCTAATAATT
plasmid_lp38	5767	IG 1314	**1.701**	± 0.9016	0.037533	**2.131**	± 1.3919	0.09459	**1.018**	± 0.4951	0.89408	**1.491**	± 0.6463	0.1314	GCAAGCTTTATCTAATAATAAGTCTTTGAAAAATGATAGTAAAAGTATGGA
plasmid_lp38	5776	IG 1315	**0.795**	± 0.3653	0.415541	**0.83**	± 0.7231	0.74501	**1.025**	± 0.6002	0.95967	**0.94**	± 0.6925	0.92329	TAATAGCTTTTCACATAGTTTATAGATAACACCGCAAATTAAAGACAATTC
plasmid_lp38	6110	BB_J09	**1.356**	± 1.123	0.005327	**2.612**	± 2.6627	0.20835	**0.919**	± 0.6142	0.81397	**1.038**	± 0.973	0.68524	CTACTGTTAAGTTTATTTTTATTGCTCTCAATATCTTGTGTTCATGATAAA
plasmid_lp38	6257	BB_J09	**0.492**	± 0.3932	0.016074	**0.998**	± 0.9972	0.9947	**0.946**	± 0.7576	0.73185	**1.488**	± 1.2346	0.36549	ATATGCTCTGTTTTTTTGATTCGTAATTTGAATTTGCGCCTTCATTATCTA
plasmid_lp38	6737	BB_J09	**1.704**	± 0.7935	0.207924	**1.489**	± 0.5659	0.18381	**0.947**	± 0.3456	0.70989	**0.916**	± 0.1551	0.24154	TTTTATCCAATGTCTCTTTGACTGTATTTTCTACATCAATTAACTTATCTT
plasmid_lp38	7780	BB_J11	**0.124**	± 0.1558	0.16462	**0.31**	± 0.3594	0.16114	**0.291**	± 0.3161	0.11218	**0.353**	± 0.2387	0.24281	ACAGTCCTACTGCAGGGTATAACGATCATTACTATGCCTGGATAAATAATG
plasmid_lp38	7922	BB_J11	**0.840**	± 0.3136	0.487152	**0.708**	± 0.9519	0.60747	**0.629**	± 0.1266	0.08356	**0.597**	± 0.583	0.30051	TGTATATTTTTTGTGATACATAAGTTACAAAAACTTAAAAACACCTGGGGC

plasmid_lp38	8188	IG 1316	**1.020**	± 0.2292	0.892347	**1.006**	± 0.1261	0.95357	**0.812**	± 0.1985	0.04828	**0.98**	± 0.1606	0.884	TGTATGTATAATTAACTTTTTTAATTAAAAAATTCTCTAAAAAGAAAAATT
plasmid_lp38	8315	IG 1317	**0.701**	± 0.3826	0.491187	**2.072**	± 2.1371	0.4099	**0.676**	± 0.6201	0.55623	**0.716**	± 0.5591	0.41773	TTATAAAAATATATTTCACATCAAACAAATTATTCAAGCTTCTCAAAGCTT
plasmid_lp38	8366	IG 1318	**1.160**	± 0.7739	0.223809	**1.941**	± 2.1602	0.39452	**0.814**	± 0.6185	0.08661	**1.144**	± 0.7969	0.41921	GAAGCTTTGAGAAGCTTGAATAATTTGTTTGATGTGAAATATATTTTTATA
plasmid_lp38	8932	BB_J13	**1.089**	± 0.8997	0.776644	**1.836**	± 2.0918	0.24528	**0.506**	± 0.4367	0.26515	**0.856**	± 0.8148	0.54262	AATAGTATTTGATTCTTTTTCTTACTTTTCTCAGCTCTAACACCATTTAAA
plasmid_lp38	9387	IG 1319	**0.714**	± 0.3717	0.298841	**1.777**	± 0.3915	0.09362	**1.003**	± 0.3688	0.99096	**0.917**	± 1.1547	0.91938	TGCTGTCTCGAGTATTTTTAGTAGCCCATATTGAATGAAATTCAAAAATAA
plasmid_lp38	9654	BB_J15a	**0.625**	± 0.2655	0.229382	**0.757**	± 0.582	0.08941	**0.581**	± 0.4268	0.0121	**0.662**	± 0.5427	0.10654	ATGGACGCTATTCGATTTTTTTATCAACCTTTTTATTTATATTGAAAAGTT
plasmid_lp38	9690	BB_J15a	**1.398**	± 1.1702	0.667636	**0.994**	± 0.8649	0.99384	**0.868**	± 0.4528	0.71104	**1.886**	± 0.998	0.11378	AATAAAAAGGTTGATAAAAAAAATCGAATAGCGTCCATTAAAATAAATAATT
plasmid_lp38	9747	BB_J15a	**2.671**	± 0.6405	0.012205	**2.799**	± 2.2296	0.26445	**2.463**	± 1.4556	0.22727	**2.048**	± 1.5526	0.35291	TAATTCCAAATATACTAATAGATTTATTGTTATCAATAAAAATAACTTTTC
plasmid_lp38	9752	BB_J15a	**1.161**	± 1.1807	0.770711	**1.981**	± 1.6779	0.29071	**0.711**	± 0.3294	0.3519	**1.113**	± 0.7848	0.61172	TGCACTATTTTGTTTATCAGATATTATAGGAGCCTGGATATTTAGAAAAAT
plasmid_lp38	9881	BB_J15a	**2.689**	± 2.2424	0.221564	**1.773**	± 1.6	0.50023	**0.595**	± 0.7367	0.63041	**1.557**	± 1.4484	0.52868	AATATATGAAACTATTATTAAAACTGATAATAAAAATATGATAACCAAAGC
plasmid_lp38	9895	BB_J15a	**1.113**	± 0.6697	0.705755	**1.512**	± 1.1407	0.29432	**0.609**	± 0.36	0.29286	**1.141**	± 0.757	0.73731	GTAATATATATGTAAATATATGAAACTATTATTAAAACTGATAATAAAAAT
plasmid_lp38	10004	BB_J15a	**1.408**	± 0.9474	0.576774	**1.261**	± 0.993	0.74885	**1.626**	± 0.9208	0.16247	**1.299**	± 1.0111	0.48206	CTATTAATAAAAGGTATAGTTACTAAAACCTTTGAATCTATATTTTTTTAA
plasmid_lp38	10040	BB_J15a	**1.189**	± 1.4049	0.866528	**1.84**	± 2.1631	0.60983	**1.099**	± 0.5836	0.79316	**1.311**	± 1.4375	0.78497	GTTGGTGCTGAAAATGAAAATATGCGAGACAATGTACTATTAATAAAAGGT
plasmid_lp38	10045	BB_J15a	**1.600**	± 0.8818	0.057185	**1.762**	± 1.512	0.3087	**0.393**	± 0.1807	0.124	**1.165**	± 0.5732	0.16936	TGTTCAATTTTAACAATTTTATAAGTGCTACAAATACGCCTGTTTTATTAA
plasmid_lp38	10113	BB_J15a	**0.558**	± 0.5369	0.211274	**1.082**	± 0.8407	0.881	**0.707**	± 0.2684	0.00265	**1.323**	± 0.5253	0.26753	ATGTACAAAAAATAAACATTAATAAAACAGGCGTATTTGTAGCACTTATAA
plasmid_lp38	10307	IG 1320	**1.379**	± 0.5703	0.072701	**1.968**	± 1.193	0.1844	**0.961**	± 0.3377	0.33756	**1.237**	± 0.4842	0.17924	ACTATTAACTATTAACTATTAGTAGATTTAAGTTTTTCCCCGACTTAATTT
plasmid_lp38	10352	IG 1321	**0.039**	± 0.04	0.097087	**0.777**	± 1.0399	0.78078	**0.018**	± 0.0329	0.09316	**0.215**	± 0.3893	0.17123	ATAGTTAATAGTTAATAGTTACTTTTGATTAAGATTATATATAGCAAAAAA
plasmid_lp38	13526	IG 1322	**1.560**	± 1.2547	0.155807	**2.313**	± 2.1137	0.12649	**1.055**	± 0.8503	0.73592	**1.278**	± 1.2556	0.44257	ATAAAAAATATTAAAAAATAGAGGTTGAAATTTTTACATATTTTATACATA
plasmid_lp38	13731	BB_J0056	**1.421**	± 1.0174	0.566421	**1.702**	± 0.7624	0.04873	**1.288**	± 1.0166	0.70823	**1.992**	± 1.3724	0.20207	AATCTGATCTTAAAAAGATAAAACTTGTTGTTAATAATACTAAAATAAACA
plasmid_lp38	13765	IG 1323	**0.460**	± 0.3317	0.024695	**1.588**	± 2.3411	0.65295	**0.469**	± 0.4114	0.24326	**0.685**	± 0.2572	0.20585	TTTTAAGTTAAGGAAATTGAACAAAATCTATTTAAATCTGATCTTAAAAAG
plasmid_lp38	13770	IG 1324	**1.276**	± 1.2973	0.34012	**2.869**	± 4.1709	0.39778	**1.199**	± 1.4571	0.86668	**1.377**	± 0.9812	0.4824	GCTCAGTATACTTTTATTGTTTTGGTTATGTAATTAGGTGATCCAATCTCC
plasmid_lp38	13911	BB_J20	**0.785**	± 0.5011	0.68765	**1.755**	± 1.4006	0.27709	**0.719**	± 0.5569	0.01638	**1.586**	± 0.7923	0.17312	GAACCAATTTAGAAAATCTACTTAATAGCTTTAACAAAATGAATAAAAATT
plasmid_lp38	14046	IG 1325	**0.286**	± 0.264	0.021242	**0.26**	± 0.3022	0.10488	**0.187**	± 0.2048	0.06768	**0.207**	± 0.1944	0.04528	TTTAAAAGACATATGGTTTTAAAATAATTATATATCTTTTACCTTTATAAA
plasmid_lp38	14113	IG 1326	**1.331**	± 0.8976	0.181747	**2.675**	± 2.8928	0.25935	**1.073**	± 1.1579	0.76358	**1.941**	± 1.5218	0.07306	GCTATTTGCAATTTATCAAGGTTTTTATAAGTTGTTAATAATTTTTACCAA
plasmid_lp38	14181	IG 1327	**1.359**	± 0.6362	0.31039	**1.494**	± 1.0769	0.44808	**0.483**	± 0.1168	0.05361	**0.826**	± 0.6051	0.5714	TATATGAAGTATTAAAACAACTGTCACTATTACTATTACTATCAGCTCGGG
plasmid_lp38	14291	IG 1328	**0.848**	± 0.2879	0.315202	**1.581**	± 0.7921	0.15912	**0.534**	± 0.2075	0.09707	**0.904**	± 0.2811	0.56607	TAAAAGCCTTTCAATAATATATAAATTTTAGAAATGCCCATTATTAGCCTC
plasmid_lp38	14650	IG 1329	**1.026**	± 1.0418	0.954593	**2.066**	± 2.7329	0.42729	**0.494**	± 0.4388	0.26531	**0.641**	± 0.5081	0.50107	AGGCTGTCACTTGGTTTATTGAATAAAAGGCATAGAGCTATTTATTAAAAT
plasmid_lp38	14675	IG 1330	**0.539**	± 0.4397	0.161163	**0.687**	± 0.6887	0.67799	**0.872**	± 0.6938	0.47368	**0.85**	± 0.6579	0.59136	AAAGGCATAGAGCTATTTATTAAAATAGGCTTTTAATTGAATTTGCTTTTA
plasmid_lp38	14898	IG 1331	**0.450**	± 0.4362	0.171464	**1.354**	± 1.9824	0.72968	**0.845**	± 0.7487	0.83089	**0.346**	± 0.4131	0.22361	GCTATTATTTTTTTAAACTAAATTTAAAGCGTATTTCGATTGCCTCTTTTA
plasmid_lp38	15551	BB_J21a	**1.424**	± 1.1715	0.204791	**1.144**	± 1.2522	0.57529	**0.671**	± 0.5172	0.34559	**0.964**	± 0.784	0.9456	AATATGTTTTATTAAAACCAATTTTAGTTTTAATAAAACCAAGAAAATTAT
plasmid_lp38	15854	BB_J21a	**1.391**	± 1.1249	0.563784	**2.112**	± 1.5712	0.20685	**1.147**	± 1.4023	0.79268	**1.078**	± 0.9094	0.82157	AATATAAAATTAAATTCGGCATATTAACAAATGGTATAAAATATAGATTCT
plasmid_lp38	16367	IG 1332	**1.375**	± 1.3586	0.337188	**0.944**	± 1.4003	0.71613	**0.664**	± 0.7921	0.36175	**0.832**	± 1.048	0.35931	GACCGTTTGTTTTTTAAAAGTATGGTTGTTTTTGTATTGGGTTAAGATCAA
plasmid_lp38	16676	BB_J23	**3.843**	± 2.6492	0.071267	**1.582**	± 1.6063	0.64827	**1.739**	± 1.2219	0.38744	**1.31**	± 1.4934	0.51525	TATAGACATCTTCATCATTTTTTTTTGACAATTCCTCAATTTTGCCCGAAT
plasmid_lp38	17059	BB_J23	**0.860**	± 1.133	0.64476	**0.748**	± 0.9135	0.1914	**1.223**	± 2.2257	0.83359	**1.467**	± 2.1303	0.65232	CCAACTTGCAAGAGAAGTGTTGGCAAATGAGTTTTTACTATTAATTTTTAA
plasmid_lp38	17678	BB_J24	**0.851**	± 0.3282	0.184434	**1.244**	± 0.7175	0.32251	**0.693**	± 0.2865	0.03875	**0.953**	± 0.3691	0.79802	CAATGATTTGATTCAAAAACTAATTCGCAATTATAATTGTGCTTTGAAAAT
plasmid_lp38	17713	BB_J24	**0.243**	± 0.1057	0.096893	**0.469**	± 0.5064	0.38644	**0.485**	± 0.2022	0.17896	**0.581**	± 0.2895	0.10483	ATTGTGCTTTGAAAATTTCTTTAGAAGATGATAATGTTCCAGCGGATTATT
plasmid_lp38	17850	BB_J24	**0.335**	± 0.413	0.345348	**1.14**	± 1.3232	0.64357	**2.718**	± 3.0782	0.43615	**0.269**	± 0.301	0.10948	AATGCCTCTTGGCATTAACAAAATAAGAATACAATCCTTTCCTATTGTGCG
plasmid_lp38	17966	BB_J24	**2.087**	± 2.2912	0.124063	**0.724**	± 1.1872	0.19472	**1.02**	± 1.3551	0.90416	**1.436**	± 1.4617	0.54486	GCTTTTTGCAAATAGAATCTTATAAAAATCTCTATTTGACACTCTAACTGT
plasmid_lp38	20841	BB_J27	**2.442**	± 2.3049	0.171844	**0.901**	± 1.0486	0.91759	**0.564**	± 0.4039	0.35175	**1.125**	± 0.7962	0.80248	AGACCAATATAAACATAAATGTTGTTCTAGTCATCCCTAAAACAGATTTAA
plasmid_lp38	21213	BB_J27	**0.810**	± 0.2418	0.171488	**1.282**	± 0.8288	0.57175	**0.797**	± 0.1657	0.01846	**0.883**	± 0.2419	0.39964	CCTCTACTACCGATTTCTTACTTGCTTTGCTAAATGGCAAAATAGAAGAAA
plasmid_lp38	21497	BB_J28	**1.073**	± 0.6479	0.377247	**2.169**	± 1.6461	0.20207	**0.998**	± 0.6383	0.99158	**1.185**	± 0.6233	0.43723	AAGGGCATTTTATGCTAGGAAGACAAGCCAAGATTCCAATTAAGGTAAGCT
plasmid_lp38	22136	BB_J29	**1.066**	± 1.2662	0.815598	**1.552**	± 2.5129	0.59722	**0.73**	± 0.7675	0.26998	**1.008**	± 1.6333	0.98831	CAATTTGACAATGAAGCTTATTTAGGATTTTTATTAAACTATAAGATATTA
plasmid_lp38	22358	BB_J29	**1.360**	± 0.7679	0.153331	**1.684**	± 1.4282	0.3548	**0.836**	± 0.4185	0.08467	**1.202**	± 0.8248	0.47594	GAACCAGAATGGTTTTTTGAGTTTTATTATTTTATTTCTAATTATTCTGTC
plasmid_lp38	22462	BB_J29	**0.301**	± 0.3513	0.2946	**0.325**	± 0.3822	0.31842	**0.559**	± 0.4951	0.49445	**0.352**	± 0.1995	0.16822	TTTGGGAGATGAAAATTTATCTAAGCTTTCTTTGTCTAACATAGAACCCAA
plasmid_lp38	22465	BB_J29	**0.587**	± 0.5964	0.045045	**0.857**	± 0.8667	0.36726	**0.847**	± 0.6531	0.12343	**0.97**	± 0.7303	0.75954	TTTATCCCCTTGGCTTTATTTTCAAGCATCTTTTAATGAAGTTGATTTACT
plasmid_lp38	22725	BB_J29	**0.390**	± 0.3624	0.387283	**0.782**	± 0.9786	0.80577	**2.133**	± 1.8285	0.00515	**1.269**	± 1.4876	0.54202	AAAACGTCATTTTCAAAGCTAATATAATATCTAAGACCAAGCAAAAATCTA
plasmid_lp38	22910	BB_J29	**0.149**	± 0.1661	0.060683	**1.22**	± 1.542	0.81533	**0.68**	± 1.1599	0.63844	**0.826**	± 0.7676	0.7674	AAGAACATTCTTTAAGAATTAAAAAATTATTTTCAAAATAGAATTGCAAGG
plasmid_lp38	22923	BB_J29	**0.497**	± 0.46	0.170192	**0.504**	± 0.4677	0.25975	**0.563**	± 0.3032	0.33602	**0.756**	± 0.3962	0.50412	TTTGACACCTTTAAAGAACATTCTTTAAGAATTAAAAAATTATTTTCAAAA
plasmid_lp38	23061	IG 1333	**1.267**	± 0.3031	0.195262	**1.644**	± 0.8713	0.31595	**0.904**	± 0.2256	0.60551	**1.173**	± 0.3096	0.36755	ATACACTCATCTTGAATATAACATGAAAAAATATAATATACCAACTAGAAA

plasmid_lp38	23152	IG 1334	**1.151**	± 0.6841	0.748826	**1.863**	± 1.4857	0.24914	**0.787**	± 0.4914	0.27396	**0.967**	± 0.6739	0.95581	TAACAAATAATTTGGCAGTTCATTTAACTTTACATTGATAGATAAAATAGA
plasmid_lp38	23300	IG 1335	**0.918**	± 0.4366	0.703422	**1.712**	± 1.3822	0.26581	**1.041**	± 0.5402	0.79851	**0.967**	± 0.4915	0.83908	AATATATTTTCATCATATTTAAACCTCTCTTTACAAGAGTAATTTACATCA
plasmid_lp38	23525	BB_J31	**1.327**	± 0.7368	0.474187	**2.367**	± 3.5463	0.50685	**1.11**	± 0.6787	0.58251	**0.801**	± 0.7676	0.50763	AGTAGTAAAAAGGGGAATGCTAGTATAGCATTGGGAGAGGTTCCCTCACTT
plasmid_lp38	23547	BB_J31	**0.572**	± 0.409	0.255135	**0.483**	± 0.51	0.46158	**1.018**	± 0.7956	0.86616	**1.084**	± 0.9841	0.36822	CTAGCATTCCCCTTTTTACTACTTAAAACCTTATCTTTAGATTCCTTGGCA
plasmid_lp38	23644	BB_J31	**0.259**	± 0.2768	0.036142	**0.232**	± 0.1272	0.03206	**0.178**	± 0.2309	0.02104	**0.549**	± 0.4524	0.21792	TGATGCCTCATATCCTCTTTCAGACAATATGAAGATCGGGATAGGTAGAAT
plasmid_lp38	23738	BB_J31	**1.032**	± 0.4262	0.567293	**1.142**	± 0.5316	0.24555	**0.938**	± 0.3162	0.53425	**0.964**	± 0.387	0.16388	AATGATAGCGATAATGATAATTTTGATGATAATAGCTGCGAGAAAATAAAG
plasmid_lp38	23757	BB_J31	**1.622**	± 0.6652	0.225013	**2.281**	± 1.0244	0.14878	**1.155**	± 0.2037	0.24515	**1.328**	± 0.1081	0.00064	ATTTTGATGATAATAGCTGCGAGAAAATAAAGAAAGTGGTAGATGAATTTA
plasmid_lp38	23832	BB_J31	**0.719**	± 1.0742	0.711522	**1.227**	± 1.4187	0.81919	**1.158**	± 1.3295	0.86388	**1.032**	± 1.0528	0.73326	GTTGTTCTATAATGAGCTTGAATTCTTATCCTAAGACAAAAGGAAAAGATT
plasmid_lp38	24080	BB_J31	**1.145**	± 0.1791	0.006239	**1.362**	± 0.6787	0.50303	**0.728**	± 0.4278	0.41602	**0.963**	± 0.1181	0.67299	TATCATAAGCAAGCCGTTTACAAGCTTCCGCTATAGAACTGGCAGCTTCGC
plasmid_lp38	24115	IG 1336	**1.143**	± 0.8534	0.048958	**1.99**	± 2.0516	0.28913	**0.903**	± 0.5076	0.73261	**1.148**	± 0.8298	0.36173	ATTAGTGTTGTATTTATATAGGTGATAAGTTAAAGTACATCTACTGTACTT
plasmid_lp38	24128	IG 1337	**0.667**	± 0.5991	0.193359	**0.746**	± 0.6552	0.34216	**0.794**	± 0.2764	0.16463	**1.141**	± 0.3266	0.4166	AATACAACACTAATTAATATATAAATAGAAATGATTATTTTCATAATATAT
plasmid_lp38	24315	IG 1338	**1.340**	± 0.6073	0.150043	**1.996**	± 1.297	0.10649	**0.765**	± 0.4069	0.29455	**1.102**	± 0.6092	0.63316	ATTCATTTATAGTAAAAGCTTTATTGTAAATAAATTTAAATAAAAAAAGGT
plasmid_lp38	24668	IG 1339	**1.043**	± 0.5343	0.392155	**2.072**	± 1.8359	0.33882	**0.905**	± 1.0966	0.86863	**1.307**	± 1.5649	0.71287	AGTCCAATAGATAGTGTTATTATGTGTAAATGTTATTTTAAATAATTTTAG
plasmid_lp38	24729	IG 1340	**1.980**	± 2.3535	0.403652	**1.096**	± 1.3393	0.93408	**0.332**	± 0.5536	0.12733	**1.098**	± 1.467	0.7376	TTAAAAGAGCAGCTCTTTAATAAAAAATCAAATGTAAATGTTTACTCTGAA
plasmid_lp38	24992	IG 1341	**1.398**	± 0.7808	0.221231	**2.124**	± 1.757	0.3319	**0.985**	± 0.3513	0.93977	**1.077**	± 0.3617	0.74424	TATATTTAAAAATAAGCCACGATTAAGGATCCAAATCCTCCTGGGACAACA
plasmid_lp38	25037	IG 1342	**1.077**	± 0.3171	0.716231	**1.563**	± 0.8196	0.40026	**0.765**	± 0.187	0.05906	**0.808**	± 0.2111	0.18599	CAAGATATTAAACCATTTTTTTTCTTAGCATTAATATCATTATTATATATT
plasmid_lp38	25204	IG 1343	**0.974**	± 0.4668	0.931542	**1.238**	± 1.0955	0.74909	**0.688**	± 0.4203	0.34161	**0.786**	± 0.4048	0.4704	AGTCTATAAAAATATTTGTCACACAAGACATTCATGTAATCATTTATTTCT
plasmid_lp38	25209	IG 1344	**0.965**	± 0.6597	0.915797	**0.807**	± 0.5172	0.45327	**1.029**	± 0.4664	0.88454	**0.864**	± 0.4618	0.66042	TGTCTATTTATATCCTATAAAAAATAAAACATAATAAAACATAACCAAAAT
plasmid_lp38	25215	IG 1345	**1.610**	± 0.9677	0.37072	**1.789**	± 1.5202	0.50313	**0.799**	± 0.453	0.63998	**0.629**	± 0.4418	0.43478	TTTATATCCTATAAAAAATAAAACATAATAAAACATAACCAAAATAAATTA
plasmid_lp38	25269	IG 1346	**0.431**	± 0.7845	0.331577	**0.307**	± 0.5597	0.11648	**0.818**	± 0.8455	0.78778	**0.274**	± 0.4991	0.10099	TACATAATTTATTTTGGTTATGTTTTATTATGTTTTATTTTTTATAGGATA
plasmid_lp38	25377	BB_J34	**1.056**	± 0.2397	0.736273	**1.438**	± 0.4229	0.19133	**1.148**	± 0.3724	0.62999	**1.088**	± 0.2289	0.60868	GCTCTTAGCTTCTCAATGGCAGCAATCATTTTGTCTACCTCCGCACCTTTT
plasmid_lp38	25494	BB_J34	**0.864**	± 0.5949	0.727544	**0.827**	± 0.8946	0.78831	**0.645**	± 0.7561	0.62588	**0.986**	± 0.5458	0.96512	GCACCCACAACAACATCAACAGCATGGTCTCCTTTATTGCCATTAGCATAC
plasmid_lp38	25612	BB_J34	**1.176**	± 0.7156	0.571434	**0.734**	± 0.5371	0.60204	**1.016**	± 0.4116	0.94023	**1.422**	± 0.8119	0.53839	TAACAGCAAAAGCATTGGCATAAGCCACACTAGCTGTTTCTATGGTCTTTT
plasmid_lp38	25900	BB_J34	**1.071**	± 0.9168	0.880078	**0.95**	± 0.8837	0.7826	**0.798**	± 0.6519	0.74746	**1.154**	± 1.0041	0.53417	GTTTATTTTTTTCTAGGTCGTTAAGGGCTTGACTACGCCTTGCAGAAGGGC
plasmid_lp38	26033	BB_J34	**1.134**	± 0.3937	0.068485	**1.545**	± 1.2034	0.41743	**0.776**	± 0.2044	0.10187	**0.964**	± 0.3547	0.66566	TAACAAATATACACGCTCTTATAATACCATTGCAACTTATTCTGGTTGTGC
plasmid_lp38	26057	BB_J34	**1.944**	± 1.7327	0.419315	**1.705**	± 1.8348	0.48002	**0.717**	± 0.6686	0.50818	**2.303**	± 2.1641	0.13826	TCAAGGGATACTCAATTCTATTTATAACAAATATACACGCTCTTATAATAC
plasmid_lp38	26097	BB_J34	**1.047**	± 0.8601	0.932688	**1.827**	± 0.9278	0.25967	**0.615**	± 0.4976	0.38134	**0.897**	± 0.3038	0.6025	TGGATAAGCTTAAGGCTTTTTTTGTAAAAACTATAACATATCAAGGGATAC
plasmid_lp38	26190	BB_J34	**1.081**	± 0.5692	0.818456	**2.008**	± 1.4651	0.26467	**0.852**	± 0.4606	0.59138	**1.078**	± 0.5727	0.83943	GCATGTTCTGTAACTTGATCCAAAGCAACTTTACTAGCAGTAGTATCACCT
plasmid_lp38	26770	IG 1347	**1.367**	± 0.7056	0.363619	**1.32**	± 0.8743	0.66123	**0.859**	± 0.4236	0.72173	**0.685**	± 0.3215	0.32005	TGAGCTACAAAACTCTTTAAAAAGCCCCATATCCAAACTAATCAATTTAAT
plasmid_lp38	27314	BB_J36	**1.621**	± 1.0757	0.246571	**1.66**	± 2.1593	0.59667	**1.001**	± 0.565	0.99586	**1.07**	± 0.7804	0.80281	TTATTAAAAAAACTATTGAGAAAGCCAGCCGATCTTATGCTGATGCTTTTG
plasmid_lp38	27490	BB_J36	**0.576**	± 0.4029	0.305618	**1.233**	± 1.2161	0.81909	**0.529**	± 0.3293	0.16524	**0.482**	± 0.2636	0.25918	ATAACTAGGCACAGCACTCTTTAACATTGTGCTAAGCTGAGTGTACTTTTC
plasmid_lp38	27794	BB_J36	**0.922**	± 0.3179	0.677789	**1.788**	± 1.4908	0.47669	**0.975**	± 0.6409	0.96132	**1.312**	± 0.4261	0.28813	GTAGTATCACTAACAATAAGGGCATCAGCAAGCATGTAAGGGCTACTAGTA
plasmid_lp38	28245	IG 1348	**1.409**	± 0.4894	0.093619	**1.912**	± 1.2169	0.25721	**1.21**	± 0.3305	0.10605	**1.339**	± 0.281	0.0632	ATGAAGGGGGCAAATTAAACAAGATGACTGCTACTATTGATAAGTTATGTG
plasmid_lp38	28316	BB_J37	**2.802**	± 0.8741	0.046406	**2.335**	± 1.6908	0.27605	**2.531**	± 1.8072	0.20159	**1.75**	± 0.6523	0.21296	GGTGCTATTTCTAGTATGGCCTATAATGAATTTGAATAGGAGGTTTCAAAG
plasmid_lp38	28359	BB_J37	**0.958**	± 0.1662	0.606469	**1.389**	± 0.5474	0.40177	**0.819**	± 0.1259	0.01601	**1.051**	± 0.2033	0.66657	CTCCTTAGCAGCAAACACTAAAATCTTCAGCAGTTTGCCTAAATTCACTAC
plasmid_lp38	28742	IG 1349	**0.423**	± 0.5003	0.199674	**0.894**	± 0.7856	0.84947	**1.045**	± 0.7792	0.94613	**1.459**	± 1.3193	0.64904	TTTATTTTACGATACCGTATTATTGGTGTTCGTAAATTTACGGATCAAGTT
plasmid_lp38	28966	IG 1350	**1.184**	± 0.1794	0.291867	**1.664**	± 0.5744	0.20755	**0.888**	± 0.0961	0.17894	**1.231**	± 0.3339	0.37611	ACTATAGTAAGTTTATCTCTAAAATAAGATTATCCAAGCTTATTTTAAGCT
plasmid_lp38	29134	IG 1351	**2.131**	± 2.2334	0.253924	**2.344**	± 3.0724	0.37259	**1.506**	± 1.3517	0.22966	**1.311**	± 1.3576	0.1659	TTACATAACTTAACCAAGAAATTAATACGGTTTTCTTTCTAACAAACTCTT
plasmid_lp38	29137	IG 1352	**1.878**	± 2.1555	0.24417	**0.533**	± 0.9592	0.40443	**0.874**	± 0.821	0.81521	**0.752**	± 0.7937	0.30013	CATAACTTAACCAAGAAATTAATACGGTTTTCTTTCTAACAAACTCTTTCC
plasmid_lp38	29536	IG 1353	**1.033**	± 0.5452	0.94048	**1.661**	± 1.4865	0.5479	**0.819**	± 0.8313	0.7731	**1.002**	± 0.9157	0.99758	TTTATGCGAAAAGCTTCTCTAAACTTTAATTTTGGATATTTTCTGGATTAG
plasmid_lp38	29537	IG 1354	**0.866**	± 0.6237	0.576828	**1.011**	± 0.4883	0.93265	**0.377**	± 0.3029	0.17396	**0.791**	± 0.3143	0.33965	AATATTTTATAATTTTTAGGATTATATCGGCAACTATGTTAAATATTACTC
plasmid_lp38	29891	IG 1355	**0.924**	± 0.5098	0.48917	**0.643**	± 0.3601	0.40935	**0.938**	± 0.5099	0.59698	**1.182**	± 0.7024	0.505	TTTTTTTATTTAGATTAATCAGCTTGGTTTAGTAGATAAAGAGGATGGGAA
plasmid_lp38	30007	BB_J41	**0.667**	± 0.2133	0.100011	**0.68**	± 0.436	0.48077	**1.018**	± 0.3311	0.74764	**1.194**	± 0.5424	0.26925	CAATAAAAATGTTGATAACATTAAAATAGATAATAAAGCGCTAGCAAAACA
plasmid_lp38	30142	BB_J41	**1.468**	± 1.3869	0.556071	**1.449**	± 1.4162	0.59818	**1.377**	± 0.5947	0.27588	**1.617**	± 0.6391	0.09262	CGTGTCTTCTAGATGAAGTTGAATATCCCTTGATGTTTCTAAAAATTGACC
plasmid_lp38	30323	BB_J41	**1.328**	± 0.6093	0.305327	**1.183**	± 0.4914	0.45854	**0.731**	± 0.3597	0.33323	**1.263**	± 0.2595	0.22836	AAAACATCATCTTGTTTAAGTTTAAAAGTCTCTAGAAAATCATATTTAGCA
plasmid_lp38	30872	IG 1356	**2.852**	± 2.8414	0.28299	**3.205**	± 2.4135	0.02968	**1.306**	± 1.4781	0.78019	**1.451**	± 1.4291	0.53865	ATATTAAGAATTTAATTTCCATTGATGTTTTTAGCGTAAATTTAGATTGCA
plasmid_lp38	31385	BB_J43	**4.508**	± 2.7041	0.083623	**2.327**	± 1.3476	0.22302	**2.104**	± 1.0185	0.05229	**2.104**	± 1.2331	0.25569	TTCTTCAATTTAAGCTTTAATGATTTTATTTTTAAATTAGTTAGGCAAAAT
plasmid_lp38	31490	BB_J43	**1.378**	± 0.795	0.109508	**1.731**	± 1.4521	0.30832	**0.845**	± 0.4385	0.18788	**1.18**	± 0.891	0.52197	GAACCAGAATGGTTTTTTGAGTTTTATTATTTTATTTCTAATTATTCTGTC
plasmid_lp38	31597	BB_J43	**0.581**	± 0.5893	0.039578	**0.846**	± 0.8536	0.32373	**0.851**	± 0.6574	0.10571	**0.977**	± 0.7337	0.79145	TTTATCCCCTTGGCTTTATTTTCAAGCATCTTTTAATGAAGTTGATTTACT

plasmid_lp38	31857	BB_J43	**0.376**	± 0.3707	0.351477	**0.742**	± 0.8863	0.74704	**2.118**	± 1.5381	0.01533	**1.297**	± 1.3059	0.4944	AAAACGTCATTTTCAAAGCTAATATAATATCTAAGACCAAGCAAAAATCTA
plasmid_lp38	32042	BB_J43	**0.150**	± 0.1568	0.117836	**1.232**	± 1.5571	0.80413	**0.598**	± 0.9896	0.50092	**0.79**	± 0.7624	0.74572	AAGAACATTCTTTAAGAATTAAAAAATTATTTTCAAAATAGAATTGCAAGG
plasmid_lp38	32055	BB_J43	**0.536**	± 0.5165	0.245917	**0.505**	± 0.4871	0.30469	**0.583**	± 0.3263	0.37449	**0.772**	± 0.4357	0.53734	TTTGACACCTTTAAAGAACATTCTTTAAGAATTAAAAAATTATTTTCAAAA
plasmid_lp38	32193	IG 1357	**1.705**	± 1.3236	0.315962	**1.941**	± 1.5948	0.29915	**1.078**	± 0.8778	0.9147	**2.268**	± 1.9914	0.40164	ATACACTCATCTTGAATATAACATGAAAAAATATAATATGCCAACTAGAAA
plasmid_lp38	32284	IG 1358	**1.227**	± 0.6896	0.649941	**1.917**	± 1.5359	0.26152	**0.789**	± 0.4392	0.22396	**0.996**	± 0.6613	0.99417	TAACAAATAATTTGGCAGTTCATTTAACTTTACATTGATAGATAAAATAGA
plasmid_lp38	32432	IG 1359	**0.921**	± 0.4675	0.714027	**1.69**	± 1.3888	0.26955	**1.055**	± 0.5482	0.76435	**0.969**	± 0.4978	0.85291	AATATATTTTCATCATATTTAAACCTCTCTTTACAAGAGTAATTTACATCA
plasmid_lp38	32657	BB_J45	**1.648**	± 0.9663	0.335421	**2.496**	± 3.749	0.49955	**1.23**	± 0.7686	0.49585	**0.948**	± 0.8947	0.8953	AGTAGTAAAAAGGGGAATGCTAGTATAGCATTGGGAGAGGTTCCCTCACTT
plasmid_lp38	32679	BB_J45	**0.559**	± 0.3973	0.250303	**0.489**	± 0.5178	0.4673	**1.039**	± 0.832	0.64369	**1.086**	± 0.9774	0.37838	CTAGCATTCCCCTTTTTACTACTTAAAACCTTATCTTTAGATTCCTTGGCA
plasmid_lp38	32776	BB_J45	**0.286**	± 0.3672	0.046703	**0.18**	± 0.08	0.01893	**0.194**	± 0.2476	0.01571	**0.5**	± 0.4351	0.15339	TGATGCCTCATATCCTCTTTCAGACAATATGAAGATCGGGATAGGTAGAAT
plasmid_lp38	32870	BB_J45	**1.130**	± 0.4035	0.546915	**1.383**	± 0.5902	0.29312	**0.962**	± 0.1972	0.47209	**1.068**	± 0.2973	0.66467	AATGATAGCGATAATGATAATTTTGATGATAATATCTGCGAGAAAATAAAG
plasmid_lp38	32889	BB_J45	**1.159**	± 0.3038	0.121718	**1.637**	± 0.9595	0.29339	**0.895**	± 0.146	0.29569	**1.134**	± 0.2703	0.10962	ATTTTGATGATAATATCTGCGAGAAAATAAAGAAAGTGGTAGATGAATTTA
plasmid_lp38	32964	BB_J45	**0.620**	± 0.8925	0.59221	**1.078**	± 1.2006	0.93074	**0.957**	± 1.0253	0.9316	**0.723**	± 0.5733	0.16232	GTTGTTCTATAATGAGCTTGAATTCTTATCCTAAGACAAAAGGAAAAGATT
plasmid_lp38	33247	IG 1360	**1.284**	± 1.7484	0.459497	**3.492**	± 3.9777	0.14585	**1.088**	± 0.941	0.86937	**1.824**	± 1.6328	0.03815	ATTAGTGTTGTATTTATATAGGTGATAAGTTAAAGCACATCTACTGTACTT
plasmid_lp38	33260	IG 1361	**0.624**	± 0.527	0.162207	**0.773**	± 0.6439	0.44008	**0.803**	± 0.2673	0.00028	**1.073**	± 0.2753	0.3809	AATACAACACTAATTAATACATAAATAGAAATGATTATTTTCATAATATAC
plasmid_lp38	33263	IG 1362	**0.851**	± 0.8129	0.717336	**0.54**	± 0.5143	0.06164	**0.764**	± 0.3259	0.49853	**0.98**	± 0.4629	0.84879	TATAGGTGATAAGTTAAAGCACATCTACTGTACTTTAACTATTGTTATAGC
plasmid_lp38	33448	IG 1363	**1.378**	± 0.6941	0.183806	**1.957**	± 1.4562	0.14108	**0.749**	± 0.4582	0.23524	**1.072**	± 0.6168	0.77304	ATTCATTTATAGTAAAAGCTTTATTGTAAATAAATTTAAATAAAAAAAGGT
plasmid_lp38	33610	IG 1364	**0.734**	± 0.2984	0.119543	**0.926**	± 0.3414	0.48514	**0.761**	± 0.2533	0.08219	**0.834**	± 0.2726	0.38401	TTGTAAGAAGAAAGTCGACAATTTTGATACTACTTAAAGGTTTGGATTATT
plasmid_lp38	33827	IG 1365	**1.775**	± 1.9325	0.590974	**2.089**	± 3.8329	0.66085	**2.811**	± 3.4251	0.42493	**1.362**	± 1.2758	0.57814	TAATATGTCTTTTTTCATAAAAATTTCTCTTTGGTAATTTTTATATCCGAA
plasmid_lp38	33829	IG 1366	**1.356**	± 0.9841	0.106812	**1.657**	± 1.4886	0.26538	**0.87**	± 0.5976	0.35148	**1.064**	± 0.7963	0.5397	TTATATACTTTGAACGTATTTTTATATATATCATTACTTTATTCGTGTTCT
plasmid_lp38	34175	IG 1367	**2.045**	± 1.3316	0.117182	**1.873**	± 1.9752	0.42164	**0.838**	± 0.4753	0.43146	**0.661**	± 0.4737	0.36849	TACTTATAAACCTTTTTAATAAAAAACAAAATTTATTATAAACCTCAATAA
plasmid_lp38	34398	BB_J46	**1.379**	± 1.9694	0.809137	**0.236**	± 0.3878	0.16726	**0.883**	± 1.0242	0.8985	**0.211**	± 0.2374	0.23787	TATGGACTAAAAAAATCCCAAATCTAATGTAGATTTACAACCGATTATTTT
plasmid_lp38	34566	BB_J46	**1.054**	± 1.2375	0.922184	**1.241**	± 1.8724	0.54149	**0.408**	± 0.5024	0.38093	**1.025**	± 1.343	0.96566	CATGGCATAATAAATCCCATTCTTATAAAGAAATTCAAATCCATAAACAAC
plasmid_lp38	34632	BB_J46	**1.553**	± 0.543	0.25735	**1.432**	± 0.4238	0.23287	**1.097**	± 0.3958	0.69606	**1.31**	± 0.2713	0.18256	TTATTGGAGGATGATTAGATGTTAAAAATTTATCCATATTGTTTCAGACCT
plasmid_lp38	34709	IG 1368	**1.265**	± 0.3147	0.225003	**1.237**	± 0.3923	0.19707	**0.861**	± 0.4243	0.46883	**0.884**	± 0.2796	0.53139	AATATATAGCAATAATAAGGCAGTTAGCTTTTTTTACATAAAAAATTGTTTT
plasmid_lp38	34942	BB_J47	**2.771**	± 1.6502	0.131928	**0.901**	± 0.4801	0.57191	**0.977**	± 0.6859	0.96085	**1.092**	± 1.1097	0.8647	ATTTTCAAACACCAGAAAAGGAGAATAGTTCTTACTAAGAAATTAAAGAAT
plasmid_lp38	35218	BB_J47	**0.812**	± 1.1213	0.869472	**0.369**	± 0.5396	0.54324	**0.611**	± 0.9131	0.73604	**0.572**	± 0.8608	0.70703	CCATTAAAAATAACATTTTTAAAATTCATTAAAAATCCATTATCAACTACG
plasmid_lp38	35318	BB_J47	**2.310**	± 2.6563	0.348729	**1.278**	± 1.4796	0.76187	**1.558**	± 1.7922	0.46684	**2.941**	± 2.6286	0.26565	GATAAACAAAATCTGCTAAATTCTTATCCATCTTATCATATGGAGTTTGTC
plasmid_lp38	36100	BB_J48	**1.407**	± 1.3703	0.436056	**2.31**	± 2.7032	0.36793	**1.185**	± 0.9824	0.62572	**1.311**	± 1.051	0.63196	CTTTGATGTAAAATATCAATCTTTTCTGAGGGAACAATATAAGGGCTACTA
plasmid_lp38	36259	IG 1369	**1.344**	± 1.159	0.232108	**1.901**	± 2.0632	0.33473	**0.791**	± 0.5913	0.19533	**1.091**	± 0.9026	0.38169	AATAAATATAGCACAAAAAAATTCTTTATATATATATTTCTCTTATTTTAAA
plasmid_lp38	36553	BB_J50	**1.531**	± 1.0297	0.346394	**1.948**	± 1.9187	0.43749	**1.287**	± 0.7027	0.36877	**1.238**	± 0.6687	0.41174	AATAAGTGTATATGTTTTCCACCATATATTTTTCATAAAAAAACATTTCCA
plasmid_lp38	37386	IG 1370	**0.715**	± 0.7129	0.641764	**1.631**	± 0.384	0.00626	**0.703**	± 0.404	0.19222	**0.838**	± 0.4557	0.68838	TTAAAAATGCTGATTCTTACTTTATTTTTTCAATGTATAGTCTTGGCTATT
plasmid_lp38	37527	BB_J51	**0.677**	± 0.1137	0.098602	**0.792**	± 0.1396	0.06582	**0.894**	± 0.2649	0.42096	**0.963**	± 0.2682	0.64803	TTATCACCATCACCACTTGGTTTTCGACCCATTTTCACAGCAAATTCCCCG
plasmid_lp38	38593	IG 1371	**2.452**	± 1.1498	0.048544	**2.806**	± 2.8429	0.31608	**1.154**	± 0.5896	0.09648	**1.936**	± 1.1654	0.13791	TATACTTGAAACTAAAGGGGGGGCATATTAGTTAAGATAATATTCTTATAT
plasmid_lp38	38613	IG 1372	**1.929**	± 1.5133	0.302002	**4.025**	± 4.044	0.29125	**1.041**	± 0.789	0.91252	**1.19**	± 0.8198	0.70532	TAGCACTATTATATGATGTAAAAATAAATTTAATTGATATTTGTTAATATA
plasmid_lp38	38623	IG 1373	**1.612**	± 0.9968	0.130842	**2.168**	± 2.3699	0.39343	**0.974**	± 0.5641	0.61792	**1.228**	± 0.656	0.23907	TAATAGTGCTATATATTGTATAATATGCTATATACTTGAAACTAAAGGGGG
plasmid_lp5	436	BB_T01	**1.793**	± 1.993	0.316885	**1.691**	± 2.5346	0.46975	**0.926**	± 0.8647	0.84202	**1.203**	± 1.2146	0.1239	ATATATCAACAATGAAAAAATACTTAAATCAATTAGAAAAAGAAATAAAAA
plasmid_lp5	480	BB_T01	**1.512**	± 1.3425	0.273634	**2.146**	± 3.0352	0.43673	**0.356**	± 0.3034	0.1509	**0.544**	± 0.4348	0.24693	TTTCTTTTTCTAATTGATTTAAGTATTTTTTCATTGTTGATATATTACTAG
plasmid_lp5	628	BB_T01	**2.336**	± 2.3118	0.416273	**1.679**	± 0.7479	0.09317	**1.092**	± 0.3513	0.60496	**1.047**	± 0.4261	0.89156	ATGTTCTTTTGTGTAAATTGTTTTAATTCTTTGTAGAATTTTTTGTAGAAT
plasmid_lp5	634	BB_T01	**4.454**	± 2.131	0.022631	**1.244**	± 1.5402	0.80179	**1.59**	± 2.8211	0.71038	**0.288**	± 0.5108	0.01963	CTTAATTGTAAATACATTATAAAATAATCTTATGCAAATATTTAGAAATAC
plasmid_lp5	693	IG 1374	**3.914**	± 0.717	0.01429	**2.44**	± 1.0165	0.1255	**1.263**	± 0.6481	0.58047	**1.252**	± 0.3196	0.23159	AAGATATATATTTTTATTTAAATAAATAATAAAAATTGCTGGCACACTAAT
plasmid_lp5	721	IG 1375	**2.614**	± 1.7563	0.227174	**2.153**	± 1.6889	0.22865	**0.983**	± 1.1142	0.98475	**1.358**	± 0.7767	0.51475	TTATTTATTTAAATAAAAATATATATCTTTACAATTTGTATTTCTAAATAT
plasmid_lp5	907	BB_T02	**1.610**	± 1.4369	0.58142	**0.591**	± 0.5097	0.40216	**0.262**	± 0.1947	0.12446	**0.636**	± 0.3242	0.39467	GATATTGCAATACTAGTAAAGATATTGAAATAGACATAGACTTACTAATAA
plasmid_lp5	1190	IG 1376	**1.306**	± 0.4706	0.401358	**1.406**	± 0.7288	0.47901	**0.572**	± 0.1213	0.08681	**0.767**	± 0.2912	0.06958	ATAGGGGGCTAATTCATTATGAATGGAATAATTAACGATACACTGGTCGCA
plasmid_lp5	1344	BB_T03	**2.898**	± 1.6949	0.028507	**1.728**	± 1.3691	0.1751	**1.086**	± 0.5552	0.75757	**1.043**	± 0.96	0.88678	TAATCTTTGTTTTCACTATAGAACAATTCTTGATTCATGTGATCTAGTGTT
plasmid_lp5	1410	BB_T03	**5.695**	± 3.2071	0.068999	**2.451**	± 2.5898	0.35956	**3.449**	± 2.3467	0.14772	**2.057**	± 0.8934	0.10837	ATTATAAAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAG
plasmid_lp5	1416	BB_T03	**2.729**	± 0.6105	0.019825	**1.171**	± 0.483	0.58267	**0.996**	± 0.3458	0.98548	**1.058**	± 0.57	0.89306	AAACCCTATTAGAATATCTTGAAATATTAGAAAAAAATCCAAAAGTAATCG
plasmid_lp5	1658	IG 1377	**1.547**	± 1.6854	0.679598	**0.313**	± 0.5717	0.38543	**2.616**	± 3.5004	0.37814	**1.557**	± 1.6366	0.63258	TTATAGGCCATAATATACTAGGATAGATATTGGTTTACTATTTATATAATC
plasmid_lp5	1709	IG 1378	**3.276**	± 3.0681	0.323538	**1.366**	± 1.0395	0.61829	**0.588**	± 0.7673	0.59125	**0.576**	± 0.33	0.20094	GTCCTTTATGGATTGATCATTTATAGATCAAAATATTCTTTATTGGGCCTA
plasmid_lp5	1754	IG 1379	**2.573**	± 1.297	0.081918	**1.571**	± 0.6911	0.11629	**0.994**	± 0.3009	0.97715	**1.123**	± 0.507	0.26002	CCAATATAAAGCTAAATACAAAATAAATCCAATATATCTTTAAATTCTAGA

plasmid_lp5	1765	IG 1380		**1.579**	± 0.7468	0.357344	**1.144**	± 1.0372	0.78903	**0.559**	± 0.3295	0.06169	**0.681**	± 0.2776	0.14618	GCTTTATATTGGTAATTAAGTAATTATTTATGTTCAAAATCCATAAAAGAC
plasmid_lp5	1877	IG 1381		**3.377**	± 4.1599	0.021055	**1.088**	± 2.0584	0.77128	**1.224**	± 2.091	0.87607	**0.822**	± 1.2213	0.78329	ACACTAATTTTCCCAGTTTAAGTTTTATTTTGTTTTGGGCACTATAATAAT
plasmid_lp5	3173	BB_T04		**4.789**	± 6.1545	0.202183	**1.612**	± 1.6304	0.47033	**1.261**	± 1.4489	0.1306	**1.628**	± 1.6295	0.10288	TATGCCAAATATTTTGTTGTATTTTATTTTTTTTTGGTTATTCAAATATTC
plasmid_lp5	3174	BB_T04		**3.016**	± 2.2858	0.146225	**1.757**	± 0.9587	0.07538	**1.168**	± 0.6551	0.45523	**1.392**	± 0.6591	0.04085	TATTATCTTGAATTACTAGAAATAATAAAAAATAGAAAACATGATCTAAAT
plasmid_lp5	3322	IG 1382		**0.713**	± 0.75	0.434408	**0.338**	± 0.4917	0.03061	**1.231**	± 1.0594	0.6796	**0.665**	± 0.5559	0.15642	TGGAATAATTCGTATTTTTGAACTCAATTTTCTGCACTAATCTAAATAAAC
plasmid_lp5	3673	BB_T06		**3.179**	± 1.673	0.070021	**1.604**	± 0.7517	0.23976	**1.195**	± 0.5948	0.43109	**1.002**	± 0.4819	0.9944	GATACAGTGGCAATAAGAATACCCAAAAATAAAACCGCATTAAATTTAATT
plasmid_lp5	4028	BB_T06		**5.780**	± 5.0644	0.133248	**2.192**	± 2.3241	0.3854	**1.84**	± 1.2842	0.20483	**1.686**	± 1.6926	0.44753	TAAGAAAACATTTTTTTTAAGTCTATTTTTGTTTCCTTTGCATAATTTACT
plasmid_lp5	4094	BB_T06		**2.420**	± 2.8602	0.439011	**0.419**	± 0.7663	0.00914	**0.631**	± 0.6851	0.4555	**0.048**	± 0.0894	0.10181	TTCGTTTTTAAATATTTTCTTATGTTATCCCCGCGTTTAAATGTATGGACA
plasmid_lp5	4168	BB_T06		**3.551**	± 2.8229	0.190719	**1.774**	± 1.4483	0.31849	**1.239**	± 0.7464	0.33785	**1.243**	± 0.862	0.44574	TAATATTTTTTTTATCCCATAAAAAACTAAAAAAATAAAATTTAAAAGTGT
plasmid_lp5	4171	BB_T06		**0.806**	± 0.3975	0.253202	**0.469**	± 0.1961	0.1657	**0.322**	± 0.1868	0.15859	**0.549**	± 0.4617	0.37203	TTATTCGATTCTTTAATAGAATATGCAGAAAATCTTTATAAAGAGCTAGTA
plasmid_lp5	4666	BB_T07		**1.484**	± 0.2615	0.104209	**1.239**	± 0.3016	0.36384	**1.066**	± 0.3072	0.7164	**0.942**	± 0.171	0.67942	TTTATGTCTTGATGATGTAGATTTTTTTAAACTTTTGTATGTGCTTGATAA
plasmid_lp5	4898	IG 1383		**2.580**	± 2.496	0.308952	**2.363**	± 2.6285	0.41516	**0.924**	± 0.4728	0.74059	**1.18**	± 0.8992	0.71	TTATCTATTATTGTAATATACAAGATTCACGTTTTGTATGTTGCAGTAAAG
plasmid_lp5	5011	IG 1384		**2.478**	± 1.9244	0.294741	**2.258**	± 1.4352	0.27195	**0.95**	± 0.3415	0.27127	**1.073**	± 0.5771	0.88033	CTACTCTAGAAGAGTTTTCCTCCTTTTTATTGAATTTATGACTTTATTTTT
plasmid_lp54	325	IG 1385		**1.154**	± 0.6865	0.610907	**1.973**	± 1.8711	0.41311	**0.831**	± 0.2805	0.40802	**0.989**	± 0.2454	0.79532	TTTTATTTATTTCTTATTGAGCTTGGATTAATCTTTAATTTATCTCTTCTT
plasmid_lp54	407	IG 1386		**0.765**	± 0.28	0.27991	**1.69**	± 1.1357	0.46003	**0.934**	± 0.4843	0.88321	**1.309**	± 0.8102	0.54946	AATTTCGAATTAATTATATGGCTCACTTTGAAAACTTGCTTTTCAAAGCTA
plasmid_lp54	567	IG 1387		**0.523**	± 0.1744	0.149728	**0.44**	± 0.4003	0.26111	**0.933**	± 0.3349	0.40379	**0.745**	± 0.2649	0.17775	TGCTTGCAATAAATTAATATTAATTTATTATAAATTGCGCTAATATTTTAC
plasmid_lp54	1105	BB_A01		**1.153**	± 0.4109	0.523019	**1.713**	± 0.6713	0.06053	**1.603**	± 0.6175	0.22032	**1.623**	± 0.7641	0.08686	GGATTCCAATTATCGTTTAAAAAAAGTTATTAAATTAATAATAGATAATAA
plasmid_lp54	1458	IG 1388		**1.986**	± 0.9238	0.017089	**1.149**	± 0.9299	0.70753	**0.792**	± 0.6061	0.53232	**1.504**	± 0.7751	0.38204	TAGTCTCCTTAAAAAGTATTTTAATTATTATTAATTAGTAATTATAGCATT
plasmid_lp54	1808	BB_A03		**0.687**	± 1.0307	0.680704	**1.025**	± 1.7574	0.98214	**0.195**	± 0.2881	0.0129	**0.261**	± 0.1676	0.04027	TTCATCTTCTTTTAGCTCTGATAGAAATTTTTGTACAGATTCTTCTATTTT
plasmid_lp54	2129	BB_A04		**0.947**	± 0.9365	0.948923	**2.296**	± 3.6814	0.44264	**1.079**	± 1.0108	0.86532	**1.103**	± 1.2382	0.87541	AAGCTGAGAATCAAGCGTAATTCTGTAAACTTTTTCATTTTTTGGATATTG
plasmid_lp54	2796	BB_A04		**1.256**	± 0.8589	0.683943	**3.859**	± 4.8261	0.41849	**0.883**	± 0.5431	0.82739	**2.147**	± 1.8919	0.43121	GAGAAAGTGGATCAGATAGGCGGGGTCAAGAAAATAGAGCCTTGGGGGCGA
plasmid_lp54	2986	IG 1389		**1.017**	± 1.0587	0.97298	**2.254**	± 3.8108	0.4297	**1.412**	± 1.5567	0.06962	**0.976**	± 1.0326	0.95003	AAATCAAAATAAAAACTTTAACGCCTGCTAATCTCTTTTATCAAGCTGTTT
plasmid_lp54	4436	IG 1390		**0.966**	± 0.6157	0.931025	**1.438**	± 1.0199	0.25439	**0.758**	± 0.5978	0.60228	**1.55**	± 1.1515	0.53424	GGCTTAAAACTTTATTTAAGCTATTTTAAATTGTTTTTTTATTTAAAAAAA
plasmid_lp54	4565	IG 1391		**0.643**	± 0.9948	0.688675	**0.773**	± 1.6268	0.17645	**1.021**	± 1.768	0.93799	**0.923**	± 1.7036	0.38115	TTGAAAATTTAAATTTTTGTAATTTAGATTGATGTTAATGATTTTAATTTA
plasmid_lp54	5150	IG 1392		**0.964**	± 1.49	0.409635	**1.491**	± 2.3376	0.30263	**0.911**	± 1.3586	0.50479	**0.89**	± 1.181	0.68049	TGGGAGACGTATGAAAAATATTTTATTATTTGTTATTTTATTATTCTTTTC
plasmid_lp54	6127	BB_A09		**0.915**	± 0.4741	0.660661	**1.53**	± 1.1906	0.21429	**0.771**	± 0.3968	0.3489	**1.13**	± 0.6567	0.17468	TCAATCTCAATGTCGCCTTTAAAAACTGTTCCGCTTGGCGCTGTATAGTAG
plasmid_lp54	6541	BB_A10		**0.765**	± 0.5314	0.560399	**0.849**	± 0.4569	0.43811	**0.53**	± 0.304	0.18776	**0.581**	± 0.3702	0.156	TTTTGGTATCTCTTTATTCATTTTTATTCTCTGTTAATAAGAAGCCTTTTG
plasmid_lp54	6963	BB_A10		**1.050**	± 0.4254	0.872272	**1.386**	± 0.7795	0.44153	**0.851**	± 0.2686	0.54002	**1.069**	± 0.5666	0.85669	TTAGCAGTTATTTTTTTTAGCTTGTTTTGATTTTTTGCTGCAATATTAAAT
plasmid_lp54	7499	BB_A11		**0.890**	± 0.3923	0.388059	**1.373**	± 0.944	0.28226	**0.916**	± 0.4152	0.39429	**1.07**	± 0.5619	0.11465	ACTTGAAAACATAGATTTTGATACTGTTTTTAGAAAAGTTAAATCTACACT
plasmid_lp54	7563	BB_A11		**0.487**	± 0.1384	0.059119	**1.17**	± 0.866	0.78715	**0.639**	± 0.3748	0.32738	**0.745**	± 0.1879	0.2617	AAGCACACAAACACAAAGCCATCTTCAAACAAAATTTCAATTTACAACTCA
plasmid_lp54	7841	BB_A11		**0.282**	± 0.3475	0.229804	**0.305**	± 0.3725	0.25992	**0.351**	± 0.5704	0.45434	**0.795**	± 0.9808	0.84053	AATTGTAGAGATTCCTATTTGGTGGCAAGGAAAACCATACGACTTTGGGGG
plasmid_lp54	8162	BB_A11		**0.677**	± 0.9116	0.744251	**0.175**	± 0.3274	0.19771	**0.468**	± 0.8775	0.18671	**1.55**	± 1.6071	0.66236	TGTTTTAAGTGTGGGCATGTTTTGAGAAGAAAATGAAGCTATTAAAATTTT
plasmid_lp54	8485	BB_A13		**0.757**	± 0.705	0.500076	**2.186**	± 1.3961	0.21716	**0.627**	± 0.5133	0.17779	**0.65**	± 0.4706	0.16368	TTTAAAGCGTCAATGCCAGAGTTGATATTCATTTTATTGTTCATTTTTTTT
plasmid_lp54	8595	BB_A13		**1.539**	± 1.3198	0.575669	**2.041**	± 1.9483	0.48513	**1.927**	± 1.0336	0.29322	**1.174**	± 0.5591	0.5236	CTTTGTAGATGCTCATTATTAGATTGTAAAGATTAAGCCCCAAATATATAC
plasmid_lp54	8947	BB_A14		**0.915**	± 0.9679	0.851822	**0.897**	± 0.4253	0.43004	**0.505**	± 0.2147	0.05887	**1.004**	± 0.4252	0.93126	TCATCCCCACAAGAGTCAACACTAAAGGCTTTAAGCTTATACGAAGCGCAT
plasmid_lp54	8951	BB_A14		**0.554**	± 0.1786	0.104209	**0.696**	± 0.504	0.52341	**1.26**	± 0.4059	0.36659	**1.091**	± 0.4873	0.83137	GATGATGGTTCTTCTGGAAGGCTTGCTATTGTAGAGCATGAAAAAATTATA
plasmid_lp54	11279	IG 1393		**1.386**	± 0.3275	0.158489	**1.699**	± 0.8082	0.30133	**0.947**	± 0.2776	0.74606	**1.331**	± 0.5126	0.33452	TTCCAGAAGTAACAAATTGAAAAATATATAAATTCAATTTTTAGGTTGTAA
plasmid_lp54	11458	IG 1394		**2.833**	± 1.7496	0.010798	**2.753**	± 2.4314	0.29936	**1.447**	± 1.2783	0.63222	**1.03**	± 0.8	0.88233	TTGAATGAAGGATAAATAAATAAAATAATCTAAATTCTTAATAAAATTAAA
plasmid_lp54	11518	IG 1395		**0.851**	± 0.4197	0.475169	**1.754**	± 1.9478	0.46963	**0.854**	± 0.4652	0.20104	**1.186**	± 0.6189	0.64141	TAGCGATGGGTTTAATTTTATTAAGAATTTAGATTATTTTATTTATTTATC
plasmid_lp54	15465	BB_A23		**0.709**	± 0.5244	0.248768	**1.082**	± 0.8005	0.81665	**0.695**	± 0.3102	0.29257	**1.204**	± 0.5285	0.48167	AAATATCCAATAGTGCAAAGACAAAAAATAACATCCGGACTTTTGAACGTC
plasmid_lp54	15649	BB_A23		**0.808**	± 0.9301	0.684838	**0.957**	± 1.0836	0.92389	**0.397**	± 0.438	0.44262	**0.586**	± 0.6787	0.56577	TTTGAAATAACAGAGATTAAGGTGAAAGATCAGGTTTTTGTGCATTTTCTT
plasmid_lp54	15800	BB_A23		**0.499**	± 0.8481	0.625234	**0.889**	± 1.4184	0.82817	**0.844**	± 1.4092	0.89801	**1.519**	± 2.04	0.68852	CAAACAAAATAATTAAATATCCTTTTTGATGTTATTTGGAATTTCTTTCCT
plasmid_lp54	16256	BB_A24	*dbpA*	**0.583**	± 0.4273	0.209168	**1.349**	± 0.6165	0.47466	**0.99**	± 0.7517	0.98722	**0.76**	± 0.343	0.39223	TCCAGTTTCTTTGAGTTTAGTAGCTTCCTCTTCTATTGCTATTACGAATTT
plasmid_lp54	16973	BB_A25	*dbpB*	**0.456**	± 0.2019	0.15055	**1.284**	± 0.53	0.24895	**0.541**	± 0.4061	0.33244	**1.097**	± 0.3766	0.59152	TCTATTATCTTAAGGAACTTTCCTGTTTCAACAATGGCTTGTACTTTTGCT
plasmid_lp54	17164	BB_A25	*dbpB*	**3.098**	± 2.3281	0.167475	**3.553**	± 5.779	0.52981	**1.124**	± 1.4261	0.91404	**0.628**	± 0.8152	0.60007	TCTTGAATCGTCCTCTAAGGATTTAAAAAACAAAATTTTAAAAATAAAAAA
plasmid_lp54	17278	IG 1396		**0.791**	± 0.9272	0.617165	**1.68**	± 2.5557	0.34518	**0.932**	± 1.0373	0.89568	**1.237**	± 1.7576	0.13902	AATTTAGTTAAATTTAAATTTTAGCCCACTTTATGAAAAATAAAATAAAAT
plasmid_lp54	17877	IG 1397		**0.588**	± 0.7868	0.690573	**0.107**	± 0.2107	0.32168	**0.124**	± 0.2387	0.34845	**1.322**	± 2.1123	0.83447	TTTGTTCGTTAACAACGATTTTTTTGATTTTTGTTTCTTGCTCTTGAGTAA
plasmid_lp54	18257	BB_A30		**0.647**	± 0.5392	0.515542	**1.184**	± 1.2309	0.04076	**0.704**	± 0.5918	0.53646	**0.831**	± 1.1375	0.52897	TCCGGTGATTCTGTTTGTAAAAAGAATTCTTTTTCTAGCGACCTGGCAGAA
plasmid_lp54	18578	BB_A30		**0.937**	± 0.3755	0.165916	**1.471**	± 1.3684	0.52689	**0.838**	± 0.2708	0.40775	**1.254**	± 0.6988	0.57288	AGCCTTGAAAGAGAGCTTGCTGATAGGATTAAAAAGAGAGAAGAGATTGAA

plasmid_lp54	19164	BB_A31	**0.794**	± 0.0935	0.112892	**1.237**	± 0.447	0.45143	**0.753**	± 0.2111	0.04023	**1.095**	± 0.1601	0.4798	TTTACGGGGGTAAAAACAGAGATGCTTTTTCCAAGATTCGTGGGGGCAATA
plasmid_lp54	19680	BB_A31	**0.734**	± 0.7823	0.457851	**1.561**	± 1.6177	0.08415	**0.936**	± 0.8811	0.89308	**1.333**	± 1.2906	0.55249	GTGATAGTTTAATGCTTGCTTCCATTCAAGTTTTAATAGAAAATTTCAATG
plasmid_lp54	19700	BB_A31	**2.351**	± 1.8852	0.233063	**4.626**	± 4.7032	0.28097	**1.681**	± 2.2371	0.54436	**1.411**	± 1.4805	0.72703	TCCATTCAAGTTTTAATAGAAAATTTCAATGTAAATACCGTTTACATTGAG
plasmid_lp54	20553	IG 1398	**0.566**	± 0.5935	0.591769	**0.749**	± 0.9393	0.70289	**1.024**	± 1.0233	0.97385	**0.96**	± 1.4778	0.97291	TAAGCTAATTTTTTTTAAAAGAGAGTTTATTTTACATCAATTTTGATTAGA
plasmid_lp54	21356	BB_A33	**0.900**	± 0.5387	0.821773	**2.121**	± 1.5071	0.24079	**1.133**	± 0.5508	0.46849	**1.875**	± 0.8729	0.09443	AAACAAAATATTAGAGATTTTAAAAATACAGCACGGGTTAGTAGAAAAAAG
plasmid_lp54	21895	BB_A34	**0.579**	± 0.273	0.161916	**0.451**	± 0.3874	0.33582	**0.803**	± 0.512	0.04311	**0.945**	± 0.5915	0.14978	AGCTCATCAAGTTCAGGATTTGAATATCCGTAAGATGCAAAATGTGAGTTT
plasmid_lp54	23488	IG 1399	**0.634**	± 0.5065	0.310663	**1.572**	± 0.7268	0.13652	**0.772**	± 0.2755	0.19301	**1.28**	± 0.8489	0.65339	CTTAAGGCCTTATTTGTAGTTTTAAAATAAAAAATGCGTCTTTTTAAGCCT
plasmid_lp54	23489	IG 1400	**0.293**	± 0.3853	0.235887	**0.437**	± 0.6268	0.18117	**0.481**	± 0.5067	0.4311	**1.172**	± 0.9705	0.70148	ACCCTATTTGTAGTTTTAAAGAAGTTTTCAATGAATTGTTGATTTATAACA
plasmid_lp54	24047	BB_A36	**0.671**	± 0.3078	0.005758	**1.357**	± 1.1235	0.54859	**0.531**	± 0.2551	0.03849	**0.87**	± 0.4607	0.43652	TTTTTTGATTGGCTTTCTAAGGATGTTAACAGACAAAAAGAATTTATAAGC
plasmid_lp54	25392	IG 1401	**0.975**	± 0.6092	0.876772	**1.291**	± 0.9594	0.05429	**1.123**	± 0.8114	0.53526	**1.427**	± 1.2248	0.23418	TTAAACAATATTGATATTCAAAATGTAAATATTAAAATTTAAAATTGATTT
plasmid_lp54	25431	IG 1402	**0.769**	± 0.4205	0.594406	**1.072**	± 0.6536	0.8624	**0.89**	± 0.5644	0.83727	**1.379**	± 0.8219	0.06609	GTTTTTGATATAATAATGTATAATGATATTTAAAAAAATGATTAACGAATT
plasmid_lp54	25596	BB_A38	**1.064**	± 0.6474	0.777426	**0.733**	± 0.5315	0.64086	**0.359**	± 0.1875	0.15004	**0.856**	± 0.7759	0.73525	AATTAATTTAAGCCTGCTTGAAAAGTCTTGCTTGAAAGAAAGCAGCAAGTC
plasmid_lp54	26380	BB_A38	**1.753**	± 1.5157	0.473373	**1.29**	± 0.914	0.54632	**0.455**	± 0.5209	0.39479	**1.604**	± 1.1209	0.35557	GAGCCTTTAACCAGAAGCTTTAATGAGCAAGTCAAAGGGCTTGGCAGCAGC
plasmid_lp54	26832	BB_A39	**0.442**	± 0.487	0.221985	**1.09**	± 0.4493	0.72949	**0.36**	± 0.1279	0.00413	**0.309**	± 0.1233	0.02481	GCAAGTAATAACTTAACTGTTAATTATTCTCACAATGACTTAAGAGAATCT
plasmid_lp54	26934	BB_A39	**0.565**	± 0.1972	0.168609	**1.047**	± 0.9501	0.90791	**0.764**	± 0.407	0.03438	**0.926**	± 0.3278	0.38889	GAAAATCTTTTAGCAAAAGGGTATTCTTTTAAAGAGGTTGTAAAAGGACAA
plasmid_lp54	27125	BB_A39	**0.600**	± 0.2539	0.082494	**1.282**	± 0.7802	0.25828	**0.751**	± 0.2965	0.17122	**1.035**	± 0.3888	0.81293	TTCAGAAAATTCATACAAAGTCATAAATTTTCAAAGAATAAAATCAGATCA
plasmid_lp54	27359	IG 1403	**0.793**	± 0.3773	0.200671	**1.114**	± 0.4707	0.34288	**0.745**	± 0.3649	0.23959	**1.157**	± 0.5091	0.34215	CAAAAAATTAATTTAAAAAAGGAGATTATTAATGAGCGATTCAATTGATTT
plasmid_lp54	27741	BB_A40	**0.212**	± 0.2867	0.275087	**1.38**	± 1.3605	0.6676	**0.579**	± 0.5496	0.50419	**1.103**	± 1.3471	0.92892	AGTCTACACAAACCCCATAAAGATCACTACCACCGCCTTTTGCTATTTGCA
plasmid_lp54	28205	BB_A41	**0.603**	± 0.1728	0.051208	**1.163**	± 0.6412	0.51856	**0.704**	± 0.1904	0.06357	**1.022**	± 0.301	0.886	TAATGATTTTAACACAGTCTCAACAATAAAGTTCCAAAGACAAATAGTAAA
plasmid_lp54	28231	BB_A41	**0.801**	± 0.8384	0.726001	**1.87**	± 2.5383	0.2424	**0.986**	± 1.2417	0.94254	**1.136**	± 1.3533	0.49992	TAAAGTTCCAAAGACAAATAGTAAAAATTAACTATTTACCTTTTCAGTATG
plasmid_lp54	28472	BB_A41	**0.749**	± 0.1297	0.162604	**1.263**	± 0.2193	0.14843	**0.733**	± 0.1213	0.14009	**1.127**	± 0.1692	0.273	TATGTACGGACTTTTGAATCTTCCAAATCAAATAGATAAAACAGTTAAACA
plasmid_lp54	29003	BB_A42	**0.120**	± 0.1545	0.012493	**0.815**	± 0.8047	0.78543	**0.48**	± 0.7271	0.38831	**0**	± 0	0.03274	ATTCTCACTCTTTAGAGTTTTTAAATTTGCACTTAAGGCCTGATTGGTATC
plasmid_lp54	29006	BB_A42	**0.432**	± 0.2224	0.111352	**0.274**	± 0.2688	0.19808	**1.624**	± 1.1564	0.41253	**0.851**	± 0.9686	0.63081	AGAATCACTGCAAAGAGTGTATGAGCAAATACTTAAGCTTTTAATGCTTGA
plasmid_lp54	29368	BB_A42	**1.009**	± 0.7153	0.969507	**1.417**	± 1.0841	0.55021	**0.97**	± 0.5747	0.85369	**1.047**	± 0.7461	0.91612	AGAGAGCCTTTTGCTCTTAAATCTTTTATTAAATCATCCAAGCATTTGCAA
plasmid_lp54	29485	BB_A43	**0.636**	± 0.3443	0.117592	**1.04**	± 0.4411	0.90372	**0.881**	± 0.5317	0.56929	**0.644**	± 0.285	0.02891	TATTGGATCTTTGATTACTCTGAATTTACAGAAAAAAAGTTCTTGTGAATA
plasmid_lp54	29749	BB_A43	**1.272**	± 1.3659	0.736115	**2.156**	± 1.3689	0.2481	**1.717**	± 1.1569	0.36324	**2.762**	± 0.5833	0.02626	CTCTTGTTGAGTGTAAAGATTAAATTTAAAGACATTTCTTTTAATGCAGAA
plasmid_lp54	30034	BB_A44	**1.043**	± 0.4694	0.876589	**1.239**	± 1.0236	0.7006	**0.853**	± 0.2054	0.38705	**1.236**	± 0.2306	0.01303	TGGCCTTAAAAGCTCTTTTTGGACTTAGATCTTTTTGCATGATAAGTGAAT
plasmid_lp54	30440	BB_A45	**1.033**	± 0.4046	0.732187	**1.604**	± 1.1257	0.34168	**0.878**	± 0.2165	0.26343	**0.993**	± 0.25	0.95752	TCGTGTAAAAATTCCAAAAAGTGTTCATACACTTTGCAAATGTTCTCATAA
plasmid_lp54	30766	BB_A46	**0.837**	± 0.6332	0.522172	**1.384**	± 1.3723	0.2888	**0.627**	± 0.4561	0.3263	**0.686**	± 0.6298	0.30178	ATTATTGAAAGCTAGTCTGTTTTGCACAAAACTAACGCTTATTGTATCTTT
plasmid_lp54	31716	BB_A46	**1.008**	± 0.6989	0.980898	**1.16**	± 1.216	0.87708	**0.947**	± 0.6395	0.90434	**1.038**	± 0.9699	0.9468	TTAATAGCGTTAATTTAATAATAACAACACAAGAGATAAACGAATATTTAA
plasmid_lp54	31727	BB_A46	**0.605**	± 0.3619	0.144079	**1.475**	± 1.0066	0.06656	**0.75**	± 0.4478	0.20281	**0.881**	± 0.518	0.40379	AATTTAATAATAACAACACAAGAGATAAACGAATATTTAAGGAGAGCATCA
plasmid_lp54	32244	IG 1404	**0.332**	± 0.1861	0.07518	**1.187**	± 0.7595	0.58047	**0.881**	± 0.4728	0.76869	**1.176**	± 0.5212	0.29946	AAGGATAAGAATTAAAAATGAGATACAAGTTAAAAATATTAACCAGAGCCA
plasmid_lp54	32861	BB_A49	**0.580**	± 0.3041	0.157957	**1.171**	± 0.5747	0.27102	**0.937**	± 0.2798	0.73619	**0.908**	± 0.3405	0.4851	AATGGGCTACAAGGAGCTTGTAGAGGTTAACCGAGTAGCCAATTTAAAGCT
plasmid_lp54	32907	BB_A49	**0.583**	± 0.3954	0.316945	**0.88**	± 0.7911	0.8702	**0.216**	± 0.2322	0.08879	**1.066**	± 0.7022	0.90502	TTAAATTGGCTACTCGGTTAACCTCTACAAGCTCCTTGTAGCCCATTTTTT
plasmid_lp54	34337	BB_A50	**0.843**	± 0.3932	0.360746	**1.569**	± 1.3505	0.3454	**0.77**	± 0.4454	0.07172	**1.028**	± 0.621	0.55875	CTCTTGAATTTAATTCACTAGCGCTATTTAGCAAATTTGTCATGTGCTCAA
plasmid_lp54	36174	BB_A53	**0.704**	± 0.2163	0.237602	**0.978**	± 0.6456	0.96864	**0.5**	± 0.3006	0.0628	**0.674**	± 0.3631	0.41293	ATGCTATGCTCAATGTTTAAAATATTCTCAGGTCCTATTTTATTAATTACA
plasmid_lp54	36853	BB_A55	**0.668**	± 1.0487	0.684229	**1.623**	± 1.7244	0.50734	**0.747**	± 1.1866	0.81076	**2.773**	± 3.3752	0.07498	AAAACTGCAGACATTGTAAAAATTTATTATAAAAAGTTTTCAGATCAGCAA
plasmid_lp54	37748	BB_A56	**0.684**	± 0.1442	0.00251	**1.507**	± 0.8846	0.38978	**0.595**	± 0.4468	0.32571	**0.94**	± 0.2508	0.75664	CAAAATTAAAGTTAGATATACTACAAGTACTAATCTCTAACCCTTCGTACT
plasmid_lp54	37786	BB_A56	**0.991**	± 1.2673	0.97752	**1.341**	± 2.0673	0.57799	**0.765**	± 0.9329	0.28345	**1.126**	± 1.0851	0.73279	TAATTTTAATATTTTCCAAGAAAGTGATAATAATCATTTTGATAAAAATTA
plasmid_lp54	37997	BB_A56	**1.095**	± 0.9417	0.902541	**2.677**	± 3.6538	0.5294	**0.749**	± 0.8365	0.71008	**1.699**	± 1.5725	0.44428	AAGATTAATGGAACTAAGTTTGAAAATCATATGCACAGTTCTGGTACTCTA
plasmid_lp54	38387	BB_A57	**0.343**	± 0.4792	0.331215	**1.188**	± 1.5541	0.8626	**0.688**	± 0.8548	0.56456	**1.027**	± 1.2081	0.97194	AGTTTCACCCAAACCCAAAATTTTACAACAAATTGACAGCTCAAGAATATA
plasmid_lp54	38506	BB_A57	**0.721**	± 0.4524	0.453609	**1.257**	± 0.9923	0.66521	**0.681**	± 0.4373	0.37024	**1.219**	± 0.8441	0.52054	AAGCTCACTTTTGTTTAGCTCTTCGAGCAATCTGTTTTTTATTATTTCTAT
plasmid_lp54	38515	BB_A57	**0.723**	± 0.4201	0.18016	**1.61**	± 1.0944	0.30051	**0.702**	± 0.4299	0.25672	**0.866**	± 0.6267	0.64514	TTTGTTTAGCTCTTCGAGCAATCTGTTTTTTATTATTTCTATGTTCTCGGT
plasmid_lp54	39016	BB_A57	**0.826**	± 0.5941	0.37302	**1.784**	± 1.948	0.46121	**0.913**	± 0.5994	0.49814	**0.86**	± 0.5458	0.37136	AGAAGCTCCAATTAACAATAATTTTTCTTGTATTTTTGCAATTTCTTCTTC
plasmid_lp54	39628	IG 1405	**1.252**	± 0.9088	0.503813	**3.844**	± 4.714	0.41094	**2.372**	± 2.1328	0.30387	**1.261**	± 0.6306	0.58867	TAGTGGTGCTGTTTTTAAATTTTCTAAATTTTTCTAAAACTCTAAGCACCA
plasmid_lp54	40011	BB_A59	**0.720**	± 0.1509	0.141831	**0.605**	± 0.5465	0.34147	**1.132**	± 0.426	0.40671	**0.923**	± 0.2089	0.65906	GTGCACATTGTTAAGAATAGAATCTATTAAAATCCCACGACCAATTGCACT
plasmid_lp54	40458	BB_A60	**0.763**	± 0.2919	0.309524	**0.735**	± 0.2656	0.28566	**0.602**	± 0.228	0.23762	**0.888**	± 0.4193	0.69194	AAGGTCTTTTAAAATATAATCTTTGGGTTTTTGGATGTCGTTTGGGGGATT
plasmid_lp54	41013	BB_A60	**0.916**	± 0.2543	0.180413	**1.729**	± 1.5023	0.42009	**0.864**	± 0.2729	0.62067	**1.06**	± 0.2971	0.41411	AATTTTGATCTTGTCTTGTGATTTATCTATAAATAAAGAACAAAAAACCAA
plasmid_lp54	41873	BB_A61	**0.744**	± 0.1709	0.051399	**1.217**	± 0.2403	0.16095	**0.647**	± 0.3487	0.11198	**0.914**	± 0.2048	0.26094	GCCTAAATAGTTTGCTTCTGATTTTATTTCAATTGCTGCTTTTGAATCTAT

plasmid_lp54	42705	BB_A64		**0.942**	± 1.2551	0.847531	**1.983**	± 3.5177	0.41781	**1.017**	± 1.4052	0.96297	**1.418**	± 1.6569	0.39946	TGAATTTTTTGATCTTAAGGTGTCATTTAATTTTGAAACGTCAGTTTGTAA
plasmid_lp54	42710	BB_A64		**0.916**	± 0.4578	0.797449	**1.443**	± 0.843	0.19475	**0.871**	± 0.3066	0.52051	**1.279**	± 0.7432	0.3148	TTTTTGATCTTAAGGTGTCATTTAATTTTGAAACGTCAGTTTGTAAGTCAG
plasmid_lp54	43314	BB_A64		**0.680**	± 0.81	0.688974	**1.364**	± 1.479	0.70224	**0.693**	± 0.7537	0.4924	**1.173**	± 1.3139	0.14626	TGAAGCCTTTGAATTTGCTTTATTTTTTCCAGCTGCGGGCTTTGTTGGATT
plasmid_lp54	43703	BB_A65		**0.875**	± 0.3457	0.712328	**1.669**	± 0.9671	0.40573	**0.682**	± 0.2333	0.25958	**0.991**	± 0.3911	0.75114	TAAATTTAATAATAATTAAAAAATAAGACCTTGTACCCAAAGAGAGCGCAT
plasmid_lp54	43747	BB_A65		**1.143**	± 0.809	0.679674	**2.048**	± 2.2556	0.25064	**0.993**	± 0.6878	0.98827	**1.048**	± 0.9584	0.70492	AAAGAGAAATCATAGTATCTTTATATGTTTGCTCAATGTGGTCGTTTAGCT
plasmid_lp54	43881	BB_A65		**0.970**	± 0.466	0.912785	**1.216**	± 0.8406	0.67375	**1.153**	± 0.6768	0.77751	**1.017**	± 0.6249	0.95371	TAATAAAAAAAGAATGGCTTAGCACAATAGAAACACTAATTAAAAGCTCAA
plasmid_lp54	43967	BB_A65		**0.626**	± 0.3074	0.220709	**1.191**	± 0.7042	0.15678	**0.753**	± 0.3992	0.39056	**1.069**	± 0.5205	0.75635	AGCAATCAACATGGATAAGCTAAAAGCAAATGATTTTAACAAAAATACTTT
plasmid_lp54	44265	BB_A65		**0.922**	± 0.5162	0.807915	**1.516**	± 1.0536	0.20324	**0.689**	± 0.3981	0.11083	**0.895**	± 0.389	0.77325	TGAAGTTTTTCTTTTTTTATTATTGTCATTTCTCTTGCTAAAATTTCAAAA
plasmid_lp54	44445	BB_A65		**1.124**	± 0.6768	0.522302	**1.499**	± 0.8157	0.08435	**1.165**	± 0.8867	0.68881	**1.306**	± 0.6774	0.24096	TTGTCTTTGTTGTCTTTGTTGTTTAGATCGCAAGAGAAAAATGTCGTTATC
plasmid_lp54	44656	IG 1406		**0.549**	± 0.5212	0.034755	**0.615**	± 0.574	0.01649	**0.76**	± 0.4005	0.21516	**1.078**	± 0.624	0.37738	TTTGATTAAATAGTTGCAAAATAGTTTATTTTCGTTTTTTAAATAAACTAT
plasmid_lp54	44658	IG 1407		**0.849**	± 0.657	0.25263	**2.423**	± 3.0769	0.39217	**0.877**	± 0.6414	0.30685	**0.975**	± 0.7143	0.65785	TGATTAAATAGTTGCAAAATAGTTTATTTTCGTTTTTTAAATAAACTATTT
plasmid_lp54	45034	BB_A66		**0.721**	± 0.5914	0.357311	**1.166**	± 0.8585	0.7547	**0.696**	± 0.6316	0.51674	**1.057**	± 0.948	0.93324	CCTGATATCATTAATTCTCTTATTAAGCTGTGATTTTGATTCTCATTGTAA
plasmid_lp54	45178	BB_A66		**0.598**	± 0.3232	0.377677	**1.227**	± 1.2659	0.59619	**0.886**	± 0.4982	0.71274	**0.692**	± 0.3635	0.4747	GTGTTAGAGTTAAGCTGTGGCGCGTAACTTCTGTCATAAACTTTAGCACTT
plasmid_lp54	45450	BB_A66		**0.428**	± 0.5238	0.006349	**2.951**	± 4.6834	0.49295	**0.506**	± 0.5821	0.01978	**1.068**	± 1.3238	0.89243	GGCAAATGTTGGCAGCCCGCTATTTCTGCTGTTAAAAGTTCTTGTATTTCC
plasmid_lp54	46177	IG 1408		**0.408**	± 0.4255	0.390767	**0.641**	± 0.6468	0.63152	**0.738**	± 0.5727	0.54799	**1.097**	± 0.6602	0.82476	AAATGAACACAAAAGTAACGTTTTTCCCAGTTTAGTAAACGCCAATTTGTA
plasmid_lp54	46666	BB_A68	*cspA*	**0.913**	± 0.474	0.762438	**1.185**	± 0.5472	0.61764	**0.741**	± 0.23	0.11964	**1.026**	± 0.2283	0.90048	TAAGTCAAGAAGAATCTAAATCATTGCTAATGCAAATAAAATCCAACTTAG
plasmid_lp54	47220	BB_A68	*cspA*	**1.426**	± 0.9786	0.275908	**1.23**	± 0.8483	0.65279	**0.415**	± 0.4379	0.16008	**1.072**	± 1.0387	0.89539	AGCCAAACTAAATATAATCAAGATTAATATTATTGCAATGATATTAACTTT
plasmid_lp54	47226	BB_A68	*cspA*	**0.992**	± 0.4499	0.986325	**1.444**	± 0.6902	0.41121	**0.719**	± 0.3943	0.46334	**0.918**	± 0.4556	0.8471	GAAAAAAGCCAAACTAAATATAATCAAGATTAATATTATTGCAATGATATT
plasmid_lp54	47229	IG 1409		**0.653**	± 0.6547	0.471801	**0.955**	± 0.975	0.90438	**0.654**	± 0.6058	0.3429	**0.823**	± 0.6362	0.75396	AATACTCTCCTTATAAATTAAAACTAATATTAATTAATTCTAATATAAAAT
plasmid_lp54	48263	BB_A69		**1.404**	± 0.4007	0.254683	**2.061**	± 1.0934	0.21754	**1.28**	± 0.7342	0.58541	**0.844**	± 0.3577	0.63701	TTCAAAATACTCTCCTTATAAATTAAAACCAGTATTAATTAATTTTTAATA
plasmid_lp54	48305	IG 1410		**0.451**	± 0.6895	0.18355	**2.115**	± 2.4973	0.17549	**0.781**	± 0.8892	0.58678	**0.818**	± 1.0828	0.42247	TTTTTAATATAAAATAATATTATAATTATATTAAAAATATTGTCAAATAAT
plasmid_lp54	48639	BB_A70		**0.761**	± 0.3765	0.37903	**1.868**	± 1.5166	0.42883	**0.832**	± 0.2745	0.41724	**0.919**	± 0.3382	0.72418	ACAGTTTTTTTCAAAGCTTTTTTGAACTTTTCTTTTAGTATTAAGTCAAAT
plasmid_lp54	48752	BB_A70		**3.184**	± 3.2875	0.092848	**1.445**	± 2.6166	0.68695	**3.596**	± 3.4932	0.07827	**4.109**	± 5.4459	0.27744	AAAAGAAGATAATTTAAACACTCTAAGCGAAGAAAATTTAAAAGAACTACT
plasmid_lp54	49049	BB_A70		**0.346**	± 0.1786	0.157782	**0.519**	± 0.4827	0.42329	**0.885**	± 0.3998	0.45971	**0.909**	± 0.4709	0.48254	AATAGAAAAAAATTACTGCCGAAAAAGAATCTGATCTCTTAGAAACTCTTGA
plasmid_lp54	49454	BB_A71		**0.935**	± 0.4012	0.773401	**1.103**	± 0.256	0.07038	**0.789**	± 0.2411	0.35373	**0.76**	± 0.245	0.37338	AAAACTAATTAAACCAATAATATAAGCAACAAACAAATGTTGCACTTGATA
plasmid_lp54	50033	BB_A0078		**0.530**	± 0.5961	0.228728	**1.425**	± 0.9799	0.33834	**0.716**	± 0.4648	0.03551	**0.951**	± 0.9482	0.91984	TAAAGTTAGTATTGTTGCAATGATATTTAGTTTATTTTTTGTCAAAACACT
plasmid_lp54	50326	BB_A73		**1.052**	± 0.6248	0.885427	**0.808**	± 0.6454	0.62142	**0.772**	± 0.4799	0.66441	**0.743**	± 0.3894	0.34761	AAACACCGCTAAAAACCTGTTGTGACCACATACACTACTAATTGGTGGTGT
plasmid_lp54	50654	BB_A73		**0.818**	± 0.7944	0.512352	**1.397**	± 1.4388	0.5601	**0.38**	± 0.419	0.2534	**0.698**	± 0.7118	0.66785	CATTACACACTTATTGGTTTAATTTTTTGGACAGGATTTAAAATCCAAGAA
plasmid_lp54	50991	BB_A73		**0.976**	± 0.5694	0.861827	**1.047**	± 0.7221	0.28573	**0.888**	± 0.4965	0.78574	**0.94**	± 0.5315	0.72026	TTGAAGATTTTGGGTGCTTACAATCTTTTCTGTTTTTTGTAAAACTTTAAT
plasmid_lp54	51432	IG 1411		**0.915**	± 0.8488	0.818602	**1.384**	± 1.2071	0.4818	**0.925**	± 0.6109	0.43564	**1.088**	± 0.585	0.70791	TTAAAATTAATACACCTTAGCAAACATTGCCATTAAGATCAATACTAATTA
plasmid_lp54	51592	IG 1412		**0.895**	± 0.6792	0.07652	**1.785**	± 1.7981	0.34424	**0.8**	± 0.5024	0.20139	**1.092**	± 0.8063	0.38411	GGTCATTCTTAATTAAAAAAGTTAATTATATATTTTTATTTAAATATGTAT
plasmid_lp54	51605	IG 1413		**1.260**	± 1.5497	0.647163	**2.451**	± 3.0084	0.36624	**0.926**	± 1.1417	0.81871	**1.126**	± 1.194	0.69332	AATTAAGAATGACCTTAAAAATAAAGGGTTTTAATAAAGATTAAACACTTA
plasmid_lp54	51658	IG 1414		**1.152**	± 1.683	0.908702	**0.545**	± 0.725	0.51854	**0.942**	± 1.1086	0.95526	**0.542**	± 0.6901	0.56157	AACTAAATTAGAATCAATACATATTTAAATAAAAATATATAATTAACTTTT
plasmid_lp54	51666	IG 1415		**1.561**	± 0.296	0.034661	**1.878**	± 0.8462	0.19956	**1.17**	± 0.2752	0.25518	**1.102**	± 0.7223	0.84886	TAAAACATAACTAAATTAGAATCAATACATATTTAAATAAAAATATATAAT
plasmid_lp54	51681	IG 1416		**0.471**	± 0.3047	0.109069	**2.287**	± 2.9225	0.45262	**0.439**	± 0.2897	0.23296	**0.57**	± 0.5068	0.50454	AATGTTTAAATAAGGAGAATTAACAATGACTAAAATATTTAGTAATTTAAT
plasmid_lp54	51718	BB_A74	*osm28*	**1.732**	± 0.6879	0.069968	**1.354**	± 0.8632	0.29125	**0.9**	± 0.3963	0.53247	**1.141**	± 0.5551	0.32832	ATATTTTAGTCATTGTTAATTCTCCTTATTTAAACATTTATTTTTATTATT
plasmid_lp54	51721	BB_A74	*osm28*	**1.404**	± 0.4221	0.245803	**1.719**	± 1.0843	0.3709	**0.906**	± 0.1309	0.33186	**1.076**	± 0.1713	0.54317	AGTAATTTAATAATTAATGGATTATTGTTTGGATTTGTAAGTTTAAATGTG
plasmid_lp54	51856	BB_A74	*osm28*	**1.034**	± 0.4677	0.836554	**2.413**	± 2.3998	0.30772	**0.51**	± 0.4192	0.01645	**0.963**	± 0.9145	0.90108	GATCAAAAAGATCAGGTTAATCAAGCTTTAGATACTATTAACAAGGTAACC
plasmid_lp54	51918	BB_A74	*osm28*	**1.162**	± 0.7559	0.225214	**2.468**	± 3.0105	0.40312	**0.762**	± 0.9973	0.51684	**1.018**	± 1.2162	0.97071	TAGTAAATTAGAGGGAGTTAGAGAATCATCTCTTGAATTGGTAGAATCAAA
plasmid_lp54	51994	BB_A74	*osm28*	**1.295**	± 1.0295	0.582535	**0.995**	± 0.7914	0.98997	**0.834**	± 1.0195	0.83903	**1.294**	± 1.1246	0.73034	CAAACTTTTTAACTACTCCTGCATCATTTGATTCTACCAATTCAAGAGATG
plasmid_lp54	52128	BB_A74	*osm28*	**0.581**	± 0.3296	0.054032	**1.552**	± 1.928	0.63459	**0.567**	± 0.1896	0.00261	**0.621**	± 0.4228	0.10692	AGCCTTTTTAGACATTTCAACAACCTTGTTTGCACCCTCAGCAACCATTCC
plasmid_lp54	52131	BB_A74	*osm28*	**0.936**	± 0.399	0.091759	**1.798**	± 1.4637	0.33846	**0.817**	± 0.3349	0.01097	**1.089**	± 0.5072	0.38281	TCAAGAAACCCAAAAAGCTGTTTCTGTTGCTGGTGAAGCAACATTTTTAAT
plasmid_lp54	52138	BB_A74	*osm28*	**1.435**	± 0.2052	0.024005	**1.353**	± 0.1842	0.03655	**0.855**	± 0.0823	0.0998	**1.107**	± 0.1973	0.2192	TTTCTTGAACAGCCTTTTTAGACATTTCAACAACCTTGTTTGCACCCTCAG
plasmid_lp54	52314	BB_A74	*osm28*	**1.284**	± 0.8403	0.612862	**1.359**	± 1.1734	0.7085	**1.034**	± 0.6789	0.95432	**1.433**	± 0.6671	0.34472	AGAGGCTCAAAAAGTTCTCAATATGGTTAATGGTTTGAATCCGTCAAATAA
plasmid_lp54	52403	BB_A74	*osm28*	**1.711**	± 0.1277	0.010185	**1.984**	± 0.656	0.12973	**1.013**	± 0.0508	0.72147	**1.239**	± 0.0862	0.00919	ATAGCCTTTGCAACATCTTTTTTTGCTAATACTTGATCCTTATTTGACGGA
plasmid_lp54	52432	BB_A74	*osm28*	**1.225**	± 0.5187	0.363485	**1.173**	± 0.5427	0.53882	**0.731**	± 0.2054	0.02076	**0.943**	± 0.5035	0.79014	CGCCTTGAGCTACCTTAACAACATTAGAAATAGCCTTTGCAACATCTTTTT
plasmid_lp54	52477	BB_A74	*osm28*	**1.063**	± 1.2639	0.911509	**1.223**	± 1.8476	0.8239	**0.56**	± 0.5921	0.13521	**0.648**	± 0.482	0.48395	TAGTTAGATATATAAATTTATAAATAATTAGAGGTTAAAGCAAAAAGGTTT
plasmid_lp54	53442	BB_A76	*thyX*	**1.163**	± 1.1269	0.349503	**0.303**	± 0.3816	0.36429	**0.041**	± 0.0781	0.14939	**0.186**	± 0.2245	0.27521	TTTAAATCCAAAGCATTAATAATTGCAATTATCTCTTCGTGGGAAAATCTC
plasmid_lp56	202	IG 1417		**2.167**	± 1.9715	0.058637	**3.391**	± 3.6107	0.18191	**0.482**	± 0.3911	0.36447	**1.667**	± 1.4398	0.4733	GTTTACCTGAGTATTTAAATACTTTTAATTGAGGATGTTTTATTTTAAAAA

plasmid_lp56	292	BB_Q01	**1.223**	± 1.431	0.655557	**2.668**	± 2.3538	0.16432	**1.257**	± 2.1747	0.80971	**0.852**	± 0.5976 0.78625	TTGCTATTCTTGTGGCAAGATTTAAAAAAGATGCTGAGATTTGTATTTCTT
plasmid_lp56	371	BB_Q01	**0.594**	± 0.144	0.078448	**1.221**	± 0.8381	0.7217	**0.363**	± 0.3385	0.01094	**0.428**	± 0.5045 0.26307	GTTTTCGGTTTGTTTATTTCTGACTCCGCAAGAAATACAAATCTCAGCATC
plasmid_lp56	420	BB_Q01	**1.604**	± 1.4146	0.564604	**1.043**	± 1.0673	0.95644	**0.406**	± 0.1885	0.0235	**0.531**	± 0.3813 0.15803	GGAGTTCACAGATTTTATGTAGGTAAAATAGGAACTGGTCT
plasmid_lp56	901	BB_Q03	**0.767**	± 0.7114	0.603393	**1.205**	± 1.2686	0.37823	**0.582**	± 0.5223	0.43966	**0.671**	± 0.6528 0.60239	TTGGGTTGTTATTTGCCTGATAATCAGGAACAAGCTGTTCAAACTTTTTTT
plasmid_lp56	7211	BB_Q12	**1.700**	± 0.9607	0.051905	**1.191**	± 1.2767	0.84553	**2.071**	± 1.5902	0.38528	**2.017**	± 1.462 0.37087	AATAACCCTCAAAATTATTTGTAATCGGAACAATAGTGGCTGTTTTGCTAA
plasmid_lp56	7397	BB_Q12	**1.145**	± 0.2707	0.509624	**0.787**	± 0.53	0.59433	**1.464**	± 0.3258	0.0941	**1.219**	± 0.6298 0.54959	CAGCTTTATTTCCAAATACTGCTACTTTTATTAAATAAACATCGTTACTAA
plasmid_lp56	7503	BB_Q13	**3.321**	± 2.6693	0.144823	**1.416**	± 1.0581	0.25478	**1.521**	± 0.794	0.35649	**1.059**	± 0.5977 0.83594	TAATGTATAAATGGTTTTCGCCTGATCAAATTGAAGATGTTGATCTTCAGA
plasmid_lp56	7675	BB_Q13	**4.451**	± 3.6105	0.03294	**2.045**	± 2.0166	0.07995	**1.296**	± 1.7709	0.61317	**0.918**	± 0.8592 0.6604	CTTAAAATTACAGTACAAATTTAGGCACTTAAAGCAGGCGTCTGAAAAATT
plasmid_lp56	7703	BB_Q13	**2.727**	± 0.4983	0.026227	**1.265**	± 0.748	0.59838	**0.867**	± 0.123	0.1556	**1.061**	± 0.0999 0.28093	AGTGCCTAAATTTGTACTGTAATTTTAAGTAATTAAGTCTTACCACTTCAG
plasmid_lp56	7815	BB_Q13	**1.980**	± 0.7038	0.008335	**1.203**	± 0.4066	0.37109	**1.026**	± 0.4755	0.79232	**0.974**	± 0.4272 0.2918	AACTTATTAATCACTTTGTACTAACAGGCACTGTTTCAATTCAAAAAGATG
plasmid_lp56	7900	BB_Q13	**0.473**	± 0.5723	0.451791	**1.153**	± 1.1453	0.82015	**0.409**	± 0.5731	0.11312	**0.531**	± 0.5473 0.2467	TGGACTTCTTAATATGCCACATCAAGTAAAAGAAGAAGTTGCTAGTGGTGA
plasmid_lp56	8267	BB_Q13	**1.451**	± 1.8726	0.614781	**1.287**	± 1.7054	0.69953	**0.536**	± 0.5819	0.00093	**0.901**	± 0.7275 0.07106	CCTACACCAAATGAACAAGTGGATAAAGATTCAACTGATATTGCTCATTCA
plasmid_lp56	8638	BB_Q14	**0.853**	± 0.7168	0.635208	**1.242**	± 1.6795	0.80329	**0.882**	± 0.6831	0.63319	**1.186**	± 0.9819 0.59579	TGGGTTGTCAATTAAGAAAACAGGGAGTTGTTCGAGAATTTGAATTTGATA
plasmid_lp56	8737	BB_Q14	**0.482**	± 0.2991	0.234416	**0.482**	± 0.431	0.33174	**0.811**	± 0.4924	0.71508	**0.736**	± 0.5661 0.66072	GTAGCAGTGGAGGCGAAGAAGGTGGCGAGGGGGGTTGTGGCTCAAACAAGA
plasmid_lp56	8867	BB_Q14	**2.173**	± 1.4266	0.230066	**1.413**	± 1.6839	0.692	**0.405**	± 0.4373	0.17162	**0.369**	± 0.5936 0.4333	ATGAATGGTGTTAGAAAAAGACTTTCTGATATGTCATTTCGCATGATCAAC
plasmid_lp56	9012	BB_Q15	**2.909**	± 2.2401	0.0423	**0.845**	± 0.7001	0.57825	**0.303**	± 0.3039	0.26565	**1.156**	± 1.3503 0.76336	AGTACACTGAATTCGCAGGAGTTATTATTGACATAAAGCCACAAGAACTTG
plasmid_lp56	9036	BB_Q15	**1.709**	± 0.7542	0.055094	**1.642**	± 1.6846	0.48446	**0.79**	± 0.2871	0.24429	**1.167**	± 0.6183 0.3819	TTATTGACATAAAGCCACAAGAACTTGCAATTCTTTATGATTCTGATATGT
plasmid_lp56	9103	BB_Q15	**0.496**	± 0.2434	0.101685	**0.496**	± 0.4389	0.26388	**1.147**	± 0.3211	0.183	**1.19**	± 0.4123 0.27232	TTCCAAACTTTACACATATCAAGACCTTAACTATGAACTAAAAGACCGAAT
plasmid_lp56	9118	BB_Q15	**3.917**	± 2.3666	0.104991	**0.773**	± 0.5246	0.46124	**1.133**	± 0.5845	0.513	**1.223**	± 0.7467 0.67411	TGTGTAAAGTTTGGAATATCCTTGAATATCAGACATATCAGAATCATAAAG
plasmid_lp56	9387	BB_Q16	**2.000**	± 1.244	0.118951	**0.771**	± 0.396	0.09602	**0.782**	± 0.2948	0.37454	**1.174**	± 0.5246 0.0358	TATCAATAATAGCTATATAAATTCTAAGTTTAATCTTGACCCTAAATAGGG
plasmid_lp56	9551	BB_Q16	**2.738**	± 1.0962	0.066106	**1.085**	± 0.6801	0.77752	**1.62**	± 0.7268	0.21694	**1.039**	± 0.3876 0.90392	CTACCCCTTTTAAACTTACTTTTGATTGTATTAGCCTTTAAGGCTGGAGTG
plasmid_lp56	9609	BB_Q16	**1.949**	± 1.4952	0.302446	**1.234**	± 1.4809	0.77564	**0.58**	± 0.2748	0.21291	**0.7**	± 0.2504 0.0068	TAAGGTAACACTTGAATGATTTTCACTTTAGATATGGTATTAAATCATTTA
plasmid_lp56	9777	BB_Q17	**2.009**	± 0.481	0.059984	**1.041**	± 0.3561	0.89436	**0.756**	± 0.2687	0.34134	**0.898**	± 0.1805 0.48182	TTATATTTGAGCTAGCAGCTGTGATTTTTGAAAGATATGGATGATTGTAGG
plasmid_lp56	9842	BB_Q17	**2.637**	± 0.9641	0.039344	**1.998**	± 2.0076	0.43097	**1.04**	± 0.3428	0.87578	**1.311**	± 0.6044 0.44374	TGAAAATGCTTTGGAATTTAGTATAAATTTTCAAATATATATTATTGCAAT
plasmid_lp56	9891	BB_Q17	**1.142**	± 0.572	0.520142	**1.337**	± 0.7806	0.20255	**0.153**	± 0.2227	0.0129	**0.298**	± 0.2282 0.10617	TTGCAATAATATATATTTGAAAATTTATACTAAATTCCAAAGCATTTTCAT
plasmid_lp56	9943	BB_Q17	**1.974**	± 1.6579	0.24199	**2.955**	± 2.1425	0.14325	**0.744**	± 0.7596	0.63713	**0.655**	± 0.7298 0.60662	TAAAGCATTAACATGCGTGAATTAGCGTCAAAGTCTTTGGCGTTTAACACT
plasmid_lp56	9966	BB_Q17	**0.752**	± 0.6604	0.342142	**0.615**	± 0.5346	0.09435	**0.882**	± 0.3295	0.17825	**1.048**	± 0.4821 0.48599	CACAATAAAGCTCATAAGTATAATTTGCCCAGTCTACAACCCGACTATATT
plasmid_lp56	10834	BB_Q18	**2.557**	± 1.2812	0.065748	**2.118**	± 1.9798	0.34498	**1.017**	± 0.4891	0.92427	**1.012**	± 0.3089 0.95809	ATTGGAAAGTTGCGAACTGCAAAAATCAACTTTTATTCACTTCTTAATGAA
plasmid_lp56	11610	BB_Q19	**2.768**	± 0.9505	0.034985	**1.679**	± 1.7351	0.53407	**1.211**	± 0.5207	0.63745	**1.089**	± 0.3274 0.24164	GAAATAATTTTGGTAGCAATTCTATCATTGAATGCTAAATCAAGCATTTTA
plasmid_lp56	11688	BB_Q19	**1.888**	± 0.4406	0.067098	**1.827**	± 1.5627	0.45085	**0.96**	± 0.0967	0.46716	**0.937**	± 0.1468 0.48545	GCCCTAATTTCAAAAGATACTTTTTCGGCCTCAGCAGAATAACTTCTTGAA
plasmid_lp56	12044	BB_Q20	**3.306**	± 1.9999	0.159423	**1.533**	± 0.4688	0.22645	**1.83**	± 0.7298	0.13972	**1.373**	± 0.4474 0.21176	AAAAAGCCCGCTTTAGTATATTTGAGTGAGTATGAAAATAATGTTGGTGAT
plasmid_lp56	12215	BB_Q21	**1.813**	± 0.6208	0.012628	**1.605**	± 1.2051	0.3071	**1.28**	± 0.533	0.42393	**1.104**	± 0.4231 0.33645	TTGATAAAGCTATTGCAAGTCTTGATGAGACTAGAAAAAAATATTTTAACT
plasmid_lp56	12434	IG 1418	**2.210**	± 0.7279	0.045712	**1.183**	± 0.6067	0.6632	**0.967**	± 0.2883	0.79436	**1.013**	± 0.6804 0.98279	AGTCCTCACTTGCTTAAAATTAATTCATACAATTCTTTTTCTAATTTAATC
plasmid_lp56	12437	BB_Q22	**2.270**	± 0.7949	0.056651	**1.874**	± 0.864	0.19281	**1.164**	± 0.3235	0.5306	**1.136**	± 0.3073 0.431	GTGAGCGACAAATTCACCATTAAATTTAAAGGTATTCTTGATCATGCTGCA
plasmid_lp56	12609	BB_Q22	**2.644**	± 2.1966	0.303629	**2.173**	± 2.511	0.47441	**0.403**	± 0.3902	0.20037	**0.715**	± 0.352 0.44001	AGTTCTTTTTTCTTGTCCGACAAATTATTTTTTACAATATCTTTAGTGCTA
plasmid_lp56	13155	BB_Q22	**2.320**	± 0.9336	0.008687	**1.284**	± 0.9356	0.42844	**0.846**	± 0.377	0.54316	**0.956**	± 0.4783 0.32739	ATTTGAAAAACGCAGTAGAATTTGCAGCTATGCTTAAATCCAGTGGTGCTA
plasmid_lp56	13236	BB_Q22	**2.464**	± 0.4755	0.021747	**1.818**	± 1.2203	0.34388	**1.24**	± 0.3148	0.27598	**1.215**	± 0.1541 0.05622	TTAACAGCCTTTACTGCATCTTCGCTGCTCATAGCACCACTGGATTTAAGC
plasmid_lp56	13515	BB_Q22	**2.573**	± 1.8562	0.006889	**1.53**	± 1.4928	0.17422	**1.056**	± 0.7383	0.91179	**1.863**	± 1.3048 0.22841	TCATTAACTGGATCACCGCTAAAATTAAAAATTTTGATTTTACCAAAGATA
plasmid_lp56	13749	IG 1419	**1.551**	± 1.2264	0.023659	**1.753**	± 1.9668	0.33498	**0.982**	± 0.7321	0.92863	**1.008**	± 0.8736 0.73685	ATTACCTTTTACCAAAATTATGGAGTGTTGTTAGCATTGTCTTGATTCTCA
plasmid_lp56	14140	BB_Q23	**1.393**	± 0.8617	0.321432	**1.824**	± 1.2976	0.26606	**0.594**	± 0.417	0.00786	**0.711**	± 0.5175 0.13572	TGTTCACCAGTCATTACCGGATTGTAGCTTACATATTCCGCTTTTCTATCA
plasmid_lp56	14488	BB_Q24	**1.768**	± 1.0236	0.021439	**0.474**	± 0.3824	0.35576	**0.996**	± 0.5396	0.97988	**1.027**	± 0.572 0.77312	TCTACATTGTAGAACTCAATTTTAAAATCATATTGTAGTAACAGCATTTTT
plasmid_lp56	14694	BB_Q24	**1.712**	± 0.7151	0.224613	**1.325**	± 1.3221	0.74175	**0.659**	± 0.3937	0.24639	**1.11**	± 0.3911 0.68189	AAAATATATTATAAGAAATTTGCTCATGAAAAAAATTTTGATTTCATAATG
plasmid_lp56	14702	BB_Q24	**2.396**	± 0.9155	0.053469	**1.562**	± 0.8991	0.27181	**1.007**	± 0.2909	0.95161	**1.239**	± 0.4262 0.35243	ATATATTTTTACTATATCTCCAAATTTAATGTCGTCGGTGAAGTCTAAGGG
plasmid_lp56	15026	BB_Q24	**1.295**	± 0.5107	0.509374	**0.504**	± 0.2427	0.00397	**0.807**	± 0.1923	0.33322	**0.961**	± 0.2415 0.86229	TGTTCATAACGTAATAGCCGATATTGGTACTGGTTTACGGGGATATGAATG
plasmid_lp56	15567	BB_Q25	**0.945**	± 0.9566	0.898699	**0.587**	± 0.3669	0.36204	**0.107**	± 0.103	0.0492	**1.352**	± 1.273 0.59042	CAATACCCGAATTTGAAGATTTAGAAATTCACACAAAAAATATCTCTAATA
plasmid_lp56	15612	BB_Q25	**1.597**	± 0.5989	0.126441	**1.684**	± 1.5304	0.5076	**0.813**	± 0.3218	0.00602	**1.473**	± 0.4608 0.00871	GAGATATTTTTTGTGTGAATTTCTAAATCTTCAAATTCGGGTATTGTAACA
plasmid_lp56	15725	BB_Q25	**3.997**	± 1.4303	0.017351	**3.347**	± 3.2297	0.31522	**2.283**	± 1.5825	0.32589	**1.345**	± 0.7062 0.36706	CTTAGTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAA
plasmid_lp56	15726	BB_Q25	**1.088**	± 0.6338	0.836163	**1.348**	± 0.8616	0.52531	**1.446**	± 0.7589	0.36349	**1.298**	± 0.8769 0.67107	AGTATATAAAAATGATGTTTGTCAAAGTGAATATCGTTATTTTTATCAAAA
plasmid_lp56	15729	BB_Q25	**2.190**	± 0.804	0.017051	**1.843**	± 1.4633	0.32702	**0.994**	± 0.2824	0.96732	**1.042**	± 0.298 0.74108	GTGCAATTAGCCCAAAGACTTTAAATCTAATCTCTGATACTGTTAAAATTA

plasmid_lp56	16027	BB_Q26		**2.938**	± 2.6993	0.16018	**1.259**	± 1.3553	0.06716	**1.91**	± 2.6136	0.60404	**0.672**	± 1.0395	0.00432	CCAATTCGAAATTATTGCCTAATCTTAAATCCATACTAGTAATTATACCAT
plasmid_lp56	16274	BB_Q26		**2.351**	± 0.7097	0.019127	**1.176**	± 1.1264	0.79396	**0.655**	± 0.2081	0.07119	**0.962**	± 0.5333	0.91164	TGTGCTTTGTTGTCTTGTATAGTAGTTGAAATATTTATTAAATCTAAGTTA
plasmid_lp56	16277	BB_Q26		**1.959**	± 0.2963	0.007239	**1.783**	± 0.3992	0.0915	**1.265**	± 0.5917	0.46067	**2.065**	± 1.0277	0.18815	TATCCTTTTTTTTCTCAGGCGATGTTTTGAATATGGAGTTTAATTTATGAG
plasmid_lp56	16541	BB_Q27		**1.471**	± 0.3331	0.145104	**1.27**	± 0.3253	0.17875	**1.013**	± 0.4193	0.96057	**1.73**	± 0.3637	0.04317	AGTGCCACCCGGTTTCATTTTAGAAAAAAAGAGATTAAGCTTATT
plasmid_lp56	16608	BB_Q27		**0.873**	± 0.9009	0.452247	**1.218**	± 1.3189	0.60291	**0.642**	± 0.5942	0.43721	**0.925**	± 0.7908	0.86785	AAGCAGTGCGAACCGCGCTGTAAGTTGTGCTTTTAGAAGAAATGTGTTCTT
plasmid_lp56	16705	BB_Q27		**1.394**	± 0.3999	0.006152	**0.551**	± 0.3777	0.03316	**0.447**	± 0.1002	0.03587	**0.885**	± 0.4243	0.60424	GTAAATCTAATATTAATAGTCCTAAATTTAAAGCAAAACTTTGGGAGACAT
plasmid_lp56	16907	BB_Q27		**1.823**	± 1.0735	0.040127	**0.66**	± 0.5624	0.58394	**1.064**	± 0.6479	0.49279	**0.942**	± 0.4736	0.69233	GTTTTTAAGGTCAAGTTTATACTTTACTTTCATATAAACATATTTTCTTTT
plasmid_lp56	16942	BB_Q27		**4.965**	± 3.0927	0.146931	**2.284**	± 1.856	0.33351	**1.148**	± 0.5596	0.66258	**2.024**	± 0.5603	0.0874	TCCCTAATTTGAGAGTCAATATTTAAGTAGAGGTAGTTTTTAAGGTCAAGT
plasmid_lp56	16949	BB_Q27		**1.016**	± 0.6722	0.934316	**0.307**	± 0.2394	0.17575	**1.053**	± 0.5695	0.16014	**0.879**	± 0.984	0.74591	TTCTAGGATTATTTCAAATAACTATTCTGATATGGGAATCAGCTTTGAATA
plasmid_lp56	17032	BB_Q27		**1.055**	± 0.7946	0.937796	**0.725**	± 0.6325	0.61696	**0.815**	± 0.1709	0.25315	**0.457**	± 0.3488	0.20872	AAGGAATTAAGTTTATGGAAATAAGTGCTTGTATTAAAGATACAGACACTG
plasmid_lp56	17337	BB_Q28		**2.671**	± 1.4285	0.037638	**1.619**	± 1.3375	0.29895	**0.857**	± 0.4227	0.40907	**0.925**	± 0.4146	0.73891	GAAAATATAAAATCAAGATATATTGCAATATGGATATCTCAAGTTTTATCT
plasmid_lp56	17587	BB_Q28		**1.698**	± 1.1929	0.41327	**1.679**	± 1.7167	0.56591	**0.909**	± 0.2952	0.63847	**1.03**	± 0.3542	0.8968	CTACATTTATTTCGCCTAGCACTAAGAAAGGAAAACGACTAAAAAAGATAA
plasmid_lp56	17779	BB_Q28		**1.680**	± 0.8831	0.002817	**0.374**	± 0.2773	0.24153	**0.845**	± 0.4648	0.34831	**0.994**	± 0.6017	0.97639	CAGATGGTAACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTG
plasmid_lp56	17788	BB_Q28		**1.636**	± 0.149	0.019652	**1.178**	± 0.4194	0.54655	**1.015**	± 0.1173	0.85163	**1.222**	± 0.7222	0.64378	ACAATATTATAACTTTTAACAACTAAGGAGGTTTTATGGCTGATGATCAAG
plasmid_lp56	17813	BB_Q28		**1.066**	± 0.9525	0.549535	**1.58**	± 2.2069	0.57103	**0.635**	± 0.7771	0.10288	**1.321**	± 1.3126	0.45795	AGGAGGTTTTATGGCTGATGATCAAGAAAAATTACTAATTGATGAAGAAGA
plasmid_lp56	17919	BB_Q29		**1.004**	± 0.5178	0.988986	**0.535**	± 0.5434	0.48235	**1.014**	± 0.6904	0.94942	**1.115**	± 0.7244	0.4999	AAAGATCAGTATCGTTAACGGTCGTAACCTTATTTAAATCTTTTATTTGAA
plasmid_lp56	18115	BB_Q29		**1.888**	± 1.0338	0.080011	**1.609**	± 1.5381	0.43665	**0.912**	± 0.4499	0.08884	**0.981**	± 0.5013	0.43825	ATTAATTTGTCCGTTATTTTAGCATAAATTTTTTCTACAAAATCTTTATCA
plasmid_lp56	18267	BB_Q29		**1.927**	± 0.7407	0.032716	**0.983**	± 0.6363	0.96663	**1.259**	± 0.5602	0.09157	**0.952**	± 0.4287	0.88392	TATGTTTAGGAACGGGTGTTTTTTGAATAGTATCTGATGAAGGCATTATCA
plasmid_lp56	18279	BB_Q29		**1.972**	± 0.774	0.049873	**0.996**	± 0.649	0.98365	**0.923**	± 0.3362	0.14293	**0.963**	± 0.6124	0.87471	CCATCAAATTTTACTTATGGCAGCATAACTAGAAGTACTACACTTTATCCT
plasmid_lp56	18326	BB_Q29		**3.296**	± 1.5021	0.031334	**1.808**	± 1.5662	0.37628	**1.261**	± 0.4999	0.04822	**1.185**	± 0.5135	0.01114	TCCTTCTGACTATGAGAATAAAGCGATATCTATTAATATGGAAGACAATGA
plasmid_lp56	18668	IG 1420		**1.818**	± 0.5673	0.012827	**0.669**	± 0.2323	0.28676	**1.062**	± 0.3821	0.64541	**0.927**	± 0.494	0.8218	TATCAAAATCGTAATTTTTGCTAAAAAAGCTTACAGTTTTAAAAGATCTGG
plasmid_lp56	18833	BB_Q30	*blyA*	**2.447**	± 1.2075	0.106437	**1.786**	± 0.7381	0.08793	**0.822**	± 0.5237	0.39444	**0.774**	± 0.5332	0.31802	AAAGACATATTGACTATTGTAATAGGCAAGATTTTTAAGAATGGTAATGGT
plasmid_lp56	18851	BB_Q30	*blyA*	**1.032**	± 0.4108	0.751532	**0.453**	± 0.3784	0.29656	**0.932**	± 0.3756	0.48672	**0.975**	± 0.4135	0.68639	CAATAGTCAATATGTCTTTTAGTAAAGGCTTGAGAAGAATTAATACTCCTA
plasmid_lp56	18854	BB_Q30	*blyA*	**2.480**	± 2.0472	0.323681	**1.932**	± 1.6995	0.14718	**1.454**	± 0.8892	0.31093	**1.57**	± 1.0865	0.05681	ATAGGCAAGATTTTTAAGAATGGTAATGGTAATGGCAAAAATCACATTAAA
plasmid_lp56	18939	BB_Q31	*blyB*	**2.237**	± 1.5672	0.293526	**2.718**	± 3.014	0.40027	**1.008**	± 1.1258	0.99078	**0.716**	± 0.3067	0.40611	ATGTTGAGCTTGGACTTACGTCTTTATCAACCCTTATTGATATATTTTCTA
plasmid_lp56	19200	BB_Q31	*blyB*	**1.658**	± 1.3684	0.19448	**1.778**	± 1.6337	0.18767	**1.085**	± 0.9502	0.79198	**0.793**	± 0.622	0.73367	GATATTTTGAGATTTTTTTCATCAGAATTAACTAAGTCAATGCATTGATTG
plasmid_lp56	19242	BB_Q31	*blyB*	**2.946**	± 2.3998	0.25547	**0.796**	± 0.3104	0.31114	**0.902**	± 0.865	0.8171	**0.739**	± 0.3436	0.44535	AGGAAAGAACAAATAATGCAAAATAACACTATTGGTTTAGGACTTAATTTA
plasmid_lp56	19285	BB_Q32		**5.349**	± 2.9793	0.063849	**1.705**	± 1.2396	0.46825	**0.53**	± 0.5388	0.43563	**0.846**	± 1.1272	0.82392	AGTCCTAAACCAATAGTGTTATTTTGCATTATTTGTTCTTTCCTTATAGAT
plasmid_lp56	19306	BB_Q32		**0.912**	± 0.7261	0.60427	**1.075**	± 0.6728	0.73531	**0.759**	± 0.4142	0.4315	**0.407**	± 0.2588	0.15181	GTTAAGCTGGATAGTAAATTAAGTCCTAAACCAATAGTGTTATTTTGCATT
plasmid_lp56	19390	BB_Q32		**1.937**	± 1.5894	0.100428	**1.983**	± 2.3213	0.35962	**0.738**	± 0.4754	0.34696	**1.184**	± 0.9373	0.20945	TATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAATTA
plasmid_lp56	19392	BB_Q32		**1.716**	± 0.6897	0.007504	**1.495**	± 0.9458	0.24165	**0.854**	± 0.4825	0.22133	**1.287**	± 0.7414	0.24647	TATATGTTTTGTAGAAAAAATCTATTACTTTACTAAAAGTATTAATGTAAT
plasmid_lp56	19393	BB_Q32		**2.523**	± 1.4533	0.163978	**1.314**	± 0.8374	0.55484	**0.609**	± 0.3152	0.37189	**1.301**	± 0.7097	0.59845	TAAGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAG
plasmid_lp56	19395	BB_Q32		**2.090**	± 0.9455	0.073098	**1.728**	± 1.4304	0.37376	**1.093**	± 0.483	0.5306	**1.071**	± 0.403	0.34931	AGCACACTAAAATCTATGGAAACAGCTGAGTCAACTAAAATATTTGAAGAA
plasmid_lp56	19479	BB_Q32		**3.037**	± 1.0164	0.059001	**1.322**	± 1.0664	0.63198	**0.751**	± 0.1936	0.2848	**0.849**	± 0.1453	0.19229	TTATCTCAATGTTGTATTTTAAAATGTCTTGTATTTCTTCAAATATTTTAG
plasmid_lp56	19910	BB_Q33		**1.011**	± 0.4886	0.95079	**0.567**	± 0.5663	0.19747	**0.994**	± 0.7091	0.98212	**1.121**	± 0.6505	0.23258	TAGACTTTTTCCGCTATTGGTTTTGTTTTTTTAATGTACTCTAAATATATG
plasmid_lp56	19974	IG 1421		**1.618**	± 0.6521	0.039302	**1.652**	± 1.375	0.38915	**0.962**	± 0.3153	0.60627	**1.074**	± 0.3712	0.0703	AAATAGAATTTCTTGCAAGAAAAACCTTTTTGTAATTTACATTTTTAACTG
plasmid_lp56	19981	IG 1422		**2.052**	± 1.128	0.07233	**1.544**	± 1.7309	0.53114	**0.71**	± 0.4464	0.46024	**0.762**	± 0.505	0.61314	TAAAAATCTCTAAAGCCAATTAATCTAAAATAGTATATAATATGACCATAA
plasmid_lp56	20735	BB_Q34	*bdrW*	**1.793**	± 1.2656	0.340143	**1.105**	± 0.7193	0.65994	**1.001**	± 0.6557	0.99865	**1.206**	± 0.7153	0.70373	TTTAGAAATGAAAGCAAATATTAGCCCGGCTATCATTGTGATAGACATTGC
plasmid_lp56	21792	BB_Q37		**0.951**	± 0.3623	0.77552	**0.881**	± 0.4351	0.50414	**0.827**	± 0.3358	0.61936	**1.488**	± 1.037	0.55724	TATTATTTTTTTCTTCACCTTCATTTACCCAATTTTTTATATTAAACAGTG
plasmid_lp56	22085	BB_Q37		**1.040**	± 0.5595	0.641685	**1.028**	± 0.4884	0.94942	**1.422**	± 0.4859	0.2087	**0.987**	± 0.3729	0.93592	GCTGCACCAACAAGTTGTGGCATTGTATTCAAATTTTTAGACCCATTTTCA
plasmid_lp56	22518	IG 1423		**0.920**	± 0.4096	0.752739	**0.663**	± 0.5701	0.53146	**0.799**	± 0.3987	0.62475	**0.94**	± 0.5305	0.88026	GCAAAAACTATTTTTGCCAACTTTTTTACAAAAATTTTTACAAAAAAATAG
plasmid_lp56	24151	BB_Q39		**2.495**	± 1.2309	0.123166	**1.976**	± 1.1552	0.23027	**1.401**	± 1.0138	0.52308	**1.004**	± 1.1265	0.99536	GATTATCATTGAGGGCCTTATTTAATGGGGAAAGAATTGTTGAAGAAACTC
plasmid_lp56	26910	IG 1424		**1.807**	± 0.7088	0.157518	**1.768**	± 1.8537	0.52239	**1.069**	± 0.5486	0.83914	**1.224**	± 0.5092	0.41127	GGAGTAAAAAGATGGAAAATCTTTCAAACAATAATAATCCACAAGAAAATA
plasmid_lp56	26946	BB_Q43	*bppA*	**1.369**	± 1.513	0.484346	**0.781**	± 0.7297	0.77194	**0.997**	± 0.7002	0.99692	**1.993**	± 1.2831	0.00407	ATCCACAAGAAAATATTCAAGGAGAGCTCAAAATGATAAGTATTAATCAAC
plasmid_lp56	27279	BB_Q43	*bppA*	**1.100**	± 0.9204	0.813909	**0.558**	± 0.6637	0.45901	**0.64**	± 0.8005	0.50895	**0.389**	± 0.3102	0.30961	TGCTCAAGGGCAAAGAGTTAGAGAATTTAGGATTTAGAGA
plasmid_lp56	27384	BB_Q43	*bppA*	**0.215**	± 0.3013	0.202738	**0.715**	± 0.7489	0.71617	**1.831**	± 1.6284	0.3292	**0.687**	± 0.5113	0.30014	TCAACACCGTTGGCATATTTATTTTTATATAAAATATCAATATTATCACCG
plasmid_lp56	27513	BB_Q43	*bppA*	**2.664**	± 0.8142	0.011759	**1.325**	± 0.7663	0.30229	**0.944**	± 0.2579	0.78619	**1.203**	± 0.3929	0.3828	TGAGTAGTGCTATTGCTGAGTACAATAAAAATGGCAATTTTTTAAGCAGTA
plasmid_lp56	27647	BB_Q43	*bppA*	**3.269**	± 2.3215	0.09379	**2.139**	± 2.3425	0.36579	**1.032**	± 0.5916	0.78351	**1.178**	± 0.7676	0.39124	GATGCTGCACCAATTAACTGTAAGATTAAAAGAGATGAGGCCTTAATATCA
plasmid_lp56	27753	BB_Q43	*bppA*	**1.826**	± 0.6604	0.069879	**1.818**	± 1.6706	0.46174	**1.098**	± 0.3574	0.716	**1.128**	± 0.4026	0.3689	TCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTCAAAC

plasmid_lp56	27757	BB_Q43	*bppA*	**1.118**	± 0.4876	0.587129	**0.914**	± 1.5913	0.94032	**0.36**	± 0.3995	0.00283	**0.57**	± 0.3148	0.29239	AATATCTTTTTTCAAATTTATAATTTCTAATTCACATTTATTAACAAATTC
plasmid_lp56	27762	BB_Q43	*bppA*	**1.647**	± 0.4333	0.122985	**1.03**	± 0.3616	0.91068	**0.888**	± 0.4204	0.36291	**0.837**	± 0.2949	0.00297	GTAACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGT
plasmid_lp56	27765	BB_Q43	*bppA*	**1.871**	± 1.3954	0.180626	**1.816**	± 1.6603	0.30956	**1.097**	± 0.6002	0.39859	**1.042**	± 0.4883	0.84099	ACTATAGAGAGGAATACTTAATGGCACATAATTTTAACGAGGATACGTTTA
plasmid_lp56	27896	BB_Q43	*bppA*	**1.051**	± 0.3293	0.771892	**2.072**	± 1.7566	0.33431	**0.789**	± 0.6708	0.52845	**0.701**	± 0.308	0.03418	GAATATGTTGATTGTGCAGACCTTGAAATTAAGGATAATCAATCTGCTGAA
plasmid_lp56	27898	BB_Q43	*bppA*	**1.069**	± 0.404	0.34762	**0.859**	± 0.3393	0.41223	**0.925**	± 0.3623	0.50426	**1.129**	± 0.4305	0.10545	TTCTATAAATTCTCTTACCCAATCAAACTCAACTTCAGAACTATAAAAATC
plasmid_lp56	28068	BB_Q43	*bppA*	**2.049**	± 0.9377	0.115973	**1.401**	± 0.8275	0.43137	**0.931**	± 0.3564	0.53283	**0.605**	± 0.2411	0.0762	ATATTGTAAATTAGCATCTTCAACCTATCTTTAATGGGCTTTTCTTTTTTT
plasmid_lp56	28071	BB_Q43	*bppA*	**1.773**	± 1.1792	0.416363	**2.37**	± 2.0441	0.34525	**0.616**	± 0.4542	0.44469	**1.145**	± 0.5687	0.68406	CGAATACATATCCACTAATTGAGCAGTTAAATTATAAATTTGGAGAGTTTG
plasmid_lp56	28387	BB_Q44	*bppB*	**1.694**	± 0.6664	0.246845	**1.342**	± 1.3866	0.74582	**1.121**	± 0.5144	0.72854	**1.535**	± 1.2119	0.57786	TAATAATGTAGACACAAAAAGTAACAACCCCATTTTTGTATCTCCAGTCTT
plasmid_lp56	28445	BB_Q44	*bppB*	**1.906**	± 1.0591	0.228988	**1.629**	± 1.5174	0.53261	**0.645**	± 0.4593	0.34241	**1.123**	± 0.312	0.64256	TAGATTTATAGGACTTGGATATATTAAGAGCAATTGTTTTATTATAAATCT
plasmid_lp56	28626	BB_Q44	*bppB*	**0.812**	± 0.2755	0.00345	**0.545**	± 0.3469	0.20152	**1.015**	± 0.3805	0.93605	**0.845**	± 0.5533	0.65926	GCAACAAAAAATAAAGAAATATTATATGATTCACTTGACTTAAAGCCACGT
plasmid_lp56	29064	BB_Q45	*bppC*	**3.181**	± 2.0517	0.107186	**2.01**	± 2.1805	0.41384	**0.684**	± 0.2648	0.16983	**0.915**	± 0.3422	0.75699	TGTGCTGTTTGGATAGCCTCGAACTCTTCTGAGTTGATAACAATTTCTCTA
plasmid_lp56	30975	IG 1425		**1.259**	± 0.5835	0.283719	**0.641**	± 0.4888	0.43726	**0.878**	± 0.5366	0.51412	**0.918**	± 0.4856	0.761	ATTACTGACTGTAACTGATGTATCCTTTAATTTCTTCAAATTTAGAATTGT
plasmid_lp56	31261	BB_Q48		**3.375**	± 0.8836	0.032138	**2.447**	± 2.7443	0.44475	**1.004**	± 0.2756	0.97152	**1.918**	± 0.9502	0.2087	ACTAGCCAAATAACTCTAAAGCAAAAAAGACAAATATACAGTGCTGTTGAA
plasmid_lp56	32145	BB_Q49		**2.032**	± 2.0157	0.187521	**1.381**	± 1.8539	0.58032	**1.517**	± 1.3866	0.2554	**1.294**	± 1.2358	0.34693	TCTAATTCACTTATAACTTTCCTAGCGTTAACTTCTGATCTAAAGGTTTGC
plasmid_lp56	32442	BB_Q49		**1.094**	± 0.454	0.394264	**0.454**	± 0.3269	0.21002	**0.875**	± 0.2545	0.12052	**0.925**	± 0.3157	0.03621	CTATTTTTGTAGTTGCTTTTGCTTTCAGCCTCATTAGCAGTTGTAAGTTTT
plasmid_lp56	32539	BB_Q50		**1.450**	± 0.7563	0.083033	**0.943**	± 0.8036	0.61898	**0.577**	± 0.3871	0.35062	**0.842**	± 0.5751	0.09324	AAGCTAACAAATTCTTCAATTAATTTTGATAAGTTTGAAGAAGAGCAGCTA
plasmid_lp56	32596	BB_Q50		**2.876**	± 3.1574	0.33731	**3.022**	± 2.3985	0.18679	**1.506**	± 0.7562	0.12602	**1.141**	± 0.5477	0.38083	AAACAAAAAAATGTGATAAAAAGCATTAAAAAGAATAATGAAAAAAAGATT
plasmid_lp56	32939	BB_Q50		**0.887**	± 0.4027	0.130489	**0.437**	± 0.4041	0.2936	**1.044**	± 0.6342	0.77313	**0.936**	± 0.5084	0.19186	CTTCCCCTAAATCTTTCAAAATCACTTGCCTTATCTCCACCATGTAGATTA
plasmid_lp56	32942	BB_Q50		**1.151**	± 0.9413	0.421061	**0.448**	± 0.3756	0.3846	**0.92**	± 0.6101	0.82682	**0.872**	± 0.6666	0.55979	ATTCAGCACTTATTTTTGTTAATGAGGCTACAACTTTACACAAGCAAACTT
plasmid_lp56	33084	BB_Q50		**3.414**	± 1.3548	0.051495	**1.711**	± 0.7516	0.15067	**0.884**	± 0.2782	0.14411	**1.064**	± 0.4367	0.85132	ATCGGTTTTAAAATAGTGTTCTGGATGATCAGGATTAGTATCAAAAATAAT
plasmid_lp56	33198	BB_Q50		**2.754**	± 1.7612	0.151241	**1.123**	± 0.4159	0.02081	**0.87**	± 0.5247	0.39284	**1.285**	± 0.5216	0.2113	TGATGGTATATCTTTATAGAGCTTTTCTTGTGTTTCGATAAATCCTTTACT
plasmid_lp56	33200	BB_Q50		**3.989**	± 3.132	0.093326	**2.021**	± 1.6096	0.09744	**1.194**	± 1.1711	0.46065	**1.102**	± 0.7674	0.72085	TATGATGGTATATCTTTATAGAGCTTTTCTTGTGTTTCGATAAATCCTTTA
plasmid_lp56	33371	BB_Q50		**1.146**	± 0.6261	0.790864	**1.625**	± 1.5583	0.55485	**0.768**	± 0.6668	0.64022	**0.402**	± 0.2349	0.05225	AGTATTATGCTTTTGTATTTCAAGACCAACGACCAGCCAATGACCCGTATA
plasmid_lp56	33680	BB_Q50		**0.304**	± 0.3307	0.199897	**0.259**	± 0.2462	0.22864	**0.462**	± 0.3473	0.21261	**0.318**	± 0.4223	0.22695	TTTATTCGTATAAAGGAGATAACAAAACCCATGATGATGCTCTTGATGCAA
plasmid_lp56	33767	BB_Q50		**2.597**	± 2.6331	0.196594	**1.368**	± 1.6389	0.11166	**0.667**	± 0.7309	0.57133	**1.233**	± 1.2355	0.72369	GAGAGAGAAGTGTTCACTTTGGCAATCAAAGATTTTTGTAAATTTTATTGA
plasmid_lp56	33903	BB_Q51		**3.702**	± 2.4026	0.117423	**2.541**	± 1.8232	0.17983	**1.42**	± 0.7053	0.27828	**1.602**	± 0.8407	0.22691	GATAAAATAAGTTCACTAGAACTATATAAATACTCAATATTTTTTAGAAAT
plasmid_lp56	34086	BB_Q51		**2.372**	± 1.1127	0.059966	**1.739**	± 1.2248	0.3058	**0.302**	± 0.1011	0.07165	**1.093**	± 0.7733	0.84485	AGCTACCGTTTTCATGGGATTGGCTATGTTTTAGTGAAAACCAAAGATACC
plasmid_lp56	34202	BB_Q51		**1.783**	± 0.8379	0.229404	**1.767**	± 1.1918	0.40088	**1.135**	± 0.7361	0.49465	**1.147**	± 0.487	0.57271	TTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGGGCTG
plasmid_lp56	34205	BB_Q51		**1.868**	± 0.3236	0.024467	**1.499**	± 0.8454	0.3443	**0.799**	± 0.2071	0.17898	**1.009**	± 0.2656	0.87477	TGTAAGAGATTTGGGAGTTGATTTTGATCATATAACCTATAAAGTAAAATC
plasmid_lp56	34206	BB_Q51		**1.249**	± 0.3993	0.440262	**0.546**	± 0.3942	0.12584	**1.088**	± 0.2532	0.65839	**1.116**	± 0.3678	0.67184	CATATTCATAATCAAGGTATTCAAAACCAATAGGTAATTCTATATTAACGG
plasmid_lp56	34234	BB_Q51		**2.371**	± 2.8369	0.443999	**0.93**	± 1.0391	0.91026	**1.289**	± 0.5335	0.49786	**1.464**	± 1.5189	0.61383	TGATCAAAATCAACTCCCAAATCTCTTACATATTCATAATCAAGGTATTCA
plasmid_lp56	34297	BB_Q51		**3.365**	± 1.1827	0.065945	**2.213**	± 3.1997	0.56313	**0.672**	± 0.5122	0.2756	**1.755**	± 0.7964	0.19832	AAAGTCGACTTATCATATATGAAAACTTTGATTATATCTTAAAAAGATATG
plasmid_lp56	34385	BB_Q51		**2.264**	± 1.4737	0.116963	**2.556**	± 2.5638	0.30951	**0.808**	± 0.4483	0.47658	**1.292**	± 0.8741	0.35286	TTTATTTGAAAAGATATACGTAGAAATAGAAAGACGTATTGAAAACCACAA
plasmid_lp56	34551	BB_Q51		**1.956**	± 0.8192	0.181307	**1.946**	± 1.493	0.38839	**1.051**	± 0.2343	0.79277	**1.11**	± 0.1235	0.11682	TCTTCTTTTTTGAGAAAACAAAATTCAAACAATCATAGTAAAGATATTTCT
plasmid_lp56	34851	BB_Q51		**3.431**	± 2.5072	0.043007	**2.531**	± 3.7191	0.4261	**0.997**	± 0.6714	0.99471	**1.009**	± 0.8153	0.98944	GGAGTAATTATTACGATTTTCTCAAAGGTGTACAAGAACAAGTTGAGAACT
plasmid_lp56	35219	BB_Q52		**1.331**	± 0.9379	0.61366	**0.979**	± 0.7768	0.8746	**0.792**	± 0.6841	0.58027	**1.243**	± 0.8531	0.10928	CATGCGTTTTAAAGAGCAGGCAAATAGTAAATCTAAAGAGACAAGTCGAGA
plasmid_lp56	35440	BB_Q52		**0.976**	± 1.1144	0.957844	**0.899**	± 1.0038	0.77778	**1.049**	± 0.9177	0.85715	**1.036**	± 0.8397	0.54671	CATTAAAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCG
plasmid_lp56	35445	BB_Q52		**2.938**	± 2.0842	0.123142	**2.481**	± 3.1003	0.45153	**0.806**	± 0.6422	0.71028	**0.963**	± 0.6803	0.89366	AAAGACATTATGCAAGCACAACGTAGAGAACTTGTACGCAAGTTCGTTCCA
plasmid_lp56	35556	BB_Q52		**1.370**	± 0.6568	0.095211	**0.326**	± 0.2505	0.16449	**0.909**	± 0.7139	0.69414	**1.175**	± 0.7389	0.51363	TTAGAGCAACTTGTTTCTTTAGCAAAAGTGAATATTAAATTAAGAAAAAAT
plasmid_lp56	35635	BB_Q52		**1.670**	± 0.7944	0.159546	**1.399**	± 1.3809	0.60296	**1.099**	± 0.3172	0.48495	**0.84**	± 0.2027	0.43715	GAGTCAACAGAAGAAGAATTGCTACTCGCATTTTTTCTTAATTTAATATTC
plasmid_lp56	35724	BB_Q52		**0.866**	± 1.0617	0.86178	**1.547**	± 1.0961	0.40265	**0.599**	± 0.7227	0.32073	**0.192**	± 0.1948	0.04667	CAAGCGATAAGTAATACTTACAAGCAAAGACGAATTCAATTTTATGAAAAT
plasmid_lp56	36243	BB_Q53		**1.531**	± 1.0358	0.204387	**1.234**	± 0.5952	0.00164	**0.824**	± 0.3512	0.39854	**1.02**	± 0.5014	0.93997	ATGCACAAGGAGAGCTTGAAAAGAATGGGGGAAATGATAAATCTGTTAATG
plasmid_lp56	36477	BB_Q54		**4.692**	± 3.3451	0.157777	**1.162**	± 0.3079	0.47892	**1.25**	± 0.8293	0.56261	**1.401**	± 0.4816	0.18731	GGAGCAGCTGGAATTTCTGATTCTAACCCTAATTGTGGATTATCATCAACA
plasmid_lp56	36709	BB_Q54		**3.603**	± 1.5142	0.000613	**1.552**	± 0.6418	0.22212	**1.327**	± 0.9022	0.5172	**1.204**	± 0.5907	0.57924	TTCTTCTATTTTGTCTGCAAAGCTTGAACATGTAAAAGAATAAGCATTAAC
plasmid_lp56	36894	BB_Q54		**1.529**	± 1.151	0.465003	**2.361**	± 2.4322	0.36897	**0.698**	± 0.596	0.33288	**0.754**	± 0.3843	0.52492	ACAAGATACCCTTCAAAGTTATTCGTAATTGGTAATACATACGCAGTACTA
plasmid_lp56	36935	BB_Q55		**2.405**	± 1.1822	0.055263	**1.573**	± 1.5908	0.54041	**0.64**	± 0.213	0.17604	**0.718**	± 0.311	0.34123	TATCCAATATTTCTCCCATTTTTATACTCGGATTTCTTGTAACAAGATACC
plasmid_lp56	50441	BB_Q0091		**3.391**	± 0.7395	5.15E-05	**1.104**	± 0.5137	0.55951	**1.46**	± 0.7259	0.35144	**0.756**	± 0.1708	0.2618	AAACCCTGTTAGAATATCTTGAAATATTAGAAAAAATCCAAAAGTAATCTT
plasmid_lp56	50472	IG 1426		**1.881**	± 0.8045	0.179795	**1.283**	± 0.5755	0.50823	**1.135**	± 0.5707	0.60616	**0.799**	± 0.3552	0.52518	GCTAAAACTAATCAACATGAAGTTGATTCTAAAACCCTGTTAGAATATCTT
plasmid_lp56	50664	IG 1427		**1.050**	± 0.6632	0.946647	**1.438**	± 0.9608	0.36175	**0.577**	± 0.483	0.08988	**0.507**	± 0.1963	0.0949	ATAGGGGGCTAATTCATTATGGATGGAGTAATTAACAATACATT

plasmid_lp56	50960	IG 1428	**1.928**	± 2.1089	0.210704	**0.519**	± 0.5867	0.26573	**0.804**	± 0.7808	0.29663	**0.684**	± 0.6393	0.67573	TTTATATATTTTTTAGTTTTAATTGTTCTTTATTAGGCCTATGAGACACTA
plasmid_lp56	51010	IG 1429	**1.959**	± 0.7098	0.006902	**2.485**	± 1.359	0.08782	**1.152**	± 0.6207	0.36872	**1.463**	± 0.6867	0.061	TAGTGTCTCATAGGCCTAATAAAGAACAATTAAAACTAAAAAATATATAAA
plasmid_lp56	51056	IG 1430	**1.660**	± 1.749	0.480967	**2.368**	± 2.3884	0.2457	**1.269**	± 1.1699	0.66361	**0.913**	± 1.0347	0.92321	TAATTTAAAATATGGTATCACCCCCATTATACACCTTAAAACAACTTTAGA
plasmid_lp56	51163	IG 1431	**1.549**	± 0.3761	0.074913	**1.877**	± 1.8123	0.47265	**1.214**	± 0.2757	0.27175	**1.112**	± 0.2622	0.55518	ATGATATTAAAAAGAGAAACATCTTTAGTATATTACTAAAGGTGTTTCTCC
plasmid_lp56	51166	IG 1432	**0.622**	± 1.0097	0.705367	**0.516**	± 0.6432	0.31041	**0.381**	± 0.7367	0.50418	**0.871**	± 1.0647	0.80547	TATAGTCTATTTATAGTAGTTCATAATTTTTGTGTAACATATTTTTAAAGG
plasmid_lp56	51353	BB_Q85	**2.012**	± 1.5817	0.367653	**0.691**	± 0.4494	0.49228	**1.362**	± 0.8993	0.54808	**1.632**	± 1.9244	0.58919	TTGCAATATCTATCTATGTTAAAAGTAAACGCACGGCGTATAAAGCCCCTA
plasmid_lp56	51362	BB_Q85	**2.242**	± 2.0813	0.429427	**0.701**	± 0.6851	0.63503	**0.383**	± 0.2665	0.26278	**0.782**	± 0.5729	0.71942	GATATTGCAATACTAGTAAAGATATTGAAATAGACATAGACTTATTAATAA
plasmid_lp56	51409	BB_Q85	**1.034**	± 0.9973	0.87732	**1.062**	± 0.9816	0.82629	**0.789**	± 0.7473	0.69429	**0.735**	± 0.6695	0.56438	GTATCCAATATTTTTTGAATTTAGGTCAATGTTGTTTAGTGTGTAAATAAG
plasmid_lp56	51749	IG 1433	**1.954**	± 0.5646	0.103424	**1.331**	± 0.6742	0.48582	**0.856**	± 0.4735	0.66557	**1.404**	± 0.4664	0.28808	TATGATTTATTATAAAATTAATCCCCCTTAAAGTGTTTCGTTCAACAATAC
plasmid_lp56	51799	IG 1434	**1.619**	± 1.7119	0.601996	**1.772**	± 1.643	0.25832	**2.134**	± 2.0605	0.19642	**1.936**	± 2.0226	0.20657	GAAAAAACAAAAACCATAGTAAAACTATCTTTTAAAAACCAGTCCAAATAT
plasmid_lp56	51905	IG 1435	**1.292**	± 0.674	0.201538	**1.045**	± 0.4695	0.84199	**0.914**	± 0.5554	0.51956	**0.876**	± 0.5306	0.07627	TTCAATTCTAGATTTAATAATGTATTGTCACATAAAGCAGGCATACCCCAG
plasmid_lp56	52069	IG 1436	**1.385**	± 1.077	0.514898	**1.285**	± 1.3103	0.73826	**1.621**	± 1.177	0.32104	**0.843**	± 0.6685	0.79822	TTATGAAAAAAAATCAAAAAAACAAGTGCTCAGAAATAGAAAAAACACAAT
plasmid_lp56	52151	BB_Q88	**1.211**	± 1.6239	0.804167	**1.585**	± 2.4158	0.64593	**0.568**	± 0.4882	0.27866	**0.696**	± 0.4727	0.49859	ATTCTTAACAAATTGTCTCCATTTATTATGTAGTTGGTATAGTAATAACTA
plasmid_lp56	52189	BB_Q88	**1.995**	± 1.1786	0.137438	**0.795**	± 0.5014	0.47487	**0.619**	± 0.4287	0.43144	**0.596**	± 0.4473	0.43897	TACCAACTACATAATAAATGGAGACAATTTGTTAAGAATTATTAGCAACTT
plasmid_lp56	52190	BB_Q88	**1.571**	± 1.4973	0.366654	**1.668**	± 1.7354	0.37196	**0.866**	± 0.9772	0.71408	**1.983**	± 1.266	0.02956	TAGTAATAACTACTACTACTATCAGCATTATTGTTAATGCTAGGCATGATT
plasmid_lp56	52481	BB_Q88	**1.211**	± 0.9628	0.72228	**1.489**	± 1.2763	0.47584	**0.736**	± 0.585	0.65952	**0.72**	± 0.5959	0.35432	GTTTGAATATAAGGTGGGTAGTTAATAGTAGAATTAATATTATCATTTTGG
plasmid_lp56	52501	BB_Q88	**1.591**	± 1.3063	0.454275	**3.075**	± 2.9752	0.32416	**1.000**	± 0.2589	0.9917	**1.062**	± 0.4755	0.80603	GTTAATAGTAGAATTAATATTATCATTTTGGTTAGTAATAATGGTTGAACG

[a] Samples with >10 sequences in all 3 glucose cultures

[b] % of total reads following growth in specified carbohydrate/% total reads following growth in glucose

[c] p-value was obtained using a Ttest

[d] A fitness value of 0 indicates that insertions in this gene were not present in the population following growth in GlcNAc

Table S4: Tn-seq and STM results for the transport and lp54 mutants

								Group 1				Group 2				STM Data[c]				
								Culture[a]		Mouse[b]		Culture[a]		Mouse[b]						
Location	Position	Locus	Gene	Strand	Mean Fitness Value	Fitness Value Group 1[d]	Fitness Value Group 2	# of Sequence Reads	% of Total Sequence Reads	# of Sequence Reads	% of Total Sequence Reads	# of Sequence Reads	% of Total Sequence Reads	# of Sequence Reads	% of Total Sequence Reads	STM Mutant Name	% of Tissues Positive Positive[e]	MFI of All Tissues	Plasmids Missing in Arrayed Frozen Stock	Sequence of insertion site
chr	41270	BB_0042	phoU	-	0.00[f]	0.000	0.00	3568	0.07	0	0.00	7748	0.15	0	0.00	T05TC153	0.00	24.79	none	GATGATTATCAGTACGATATTGAAGATTTGTGCGGAAGAATAATTGCAACT
chr	48460	BB_0051		+	0.01	4.01E-03	0.02	73708	1.52	310	6.08E-03	24814	0.47	263	0.01	T02P01A01	71.28	1821.33	cp9	TCTATAAATACAATACTTAAATTCTACCCTGAAACAAAAAATATCGAACTT
chr	113343	BB_0116	malX1	+	9.33E-05	1.87E-04	0.00	20449	0.42	4	7.84E-05	21851	0.42	0	0.00	T08P02E04	0.00	38.95	lp28-2, lp5	TCTGAAAATCAAAGTATCTATAAAGCCAACTAAAAGTAAAATAATAAAGAG
chr	113729	BB_0116	malX1	-	4.49E-05	0.00	8.98E-05	26477	0.54	0	0.00	20211	0.39	1	3.46E-05	T06TC105	0.00	49.57	lp5	TGTTTGGACTGCCCGGAGCAGCATTAGGGGTTTACAAGGGTATTGTTCATG
chr	114543	BB_0116	malX1	-	8.91E-05	1.42E-04	3.61E-05	87217	1.79	13	2.55E-04	50249	0.96	1	3.46E-05	T06TC049	41.67	188.36	none	CGAGTGCCTATTTCTATTTTACCGGTTTCATGTTTATTGATTGGTATTGGA
chr	141502	BB_0140	besB	+	9.31	5.18	13.45	6511	0.13	35365	0.69	7121	0.14	52790	1.83	T11TC385	93.33	3038.00	lp5	TCTTTTAAGCTCAGAAACTGGCCTTACAGAATTAATAACAATTTCCATTAC
chr	142878	BB_0141	besA	-	1.95	0.94	2.95	23359	0.48	23067	0.45	22739	0.43	37005	1.28	T06TC059	6.67	46.96	lp5	TTCTTAGTTTTAGTTGCTTGTGTTGGTGATAACAAGCTAGATGACAAAAAT
chr	143306	BB_0142	besC	+	0.00	0.00	0.00	4133	0.08	0	0.00	2815	0.05	0	0.00	T10TC092	40.00	499.71	lp5	AACCATAATTTAAACTAAAGGATGCTAAAAATCCAGTTGAAAAGCCCTTGG
chr	144594	BB_0143	hlyA	-	0.09	0.18	1.06E-04	15689	0.32	2896	0.06	17068	0.33	1	3.46E-05	T06TC417	13.33	64.93	lp5, cp9	TTTGATTAATCTTTTTTTAAATTCTTTTAAGGATTCTAAAATGGGTTTGTA
chr	164996	BB_0164		-	4.99E-05	9.97E-05	0.00	105178	2.16	11	2.16E-04	92377	1.76	0	0.00	T11P02D04	6.67	53.96	cp32-6, lp5	GTGGTTAAATTTAAAGGGGTTTTTGGTAGGGGCATTTCTTTAATTTTTTTG
chr	245916	BB_0240	glpF	-	15.26	10.48	20.04	46329	0.95	509225	9.99	23319	0.44	257625	8.91	T09TC379	26.67	290.11	lp5	TTTCTCCTGGTATTTCGGGACTTGAGGAAAATAATACTGTCATTGCAACAG
chr	246891	BB_0241	glpK	-	15.40	15.56	15.23	97269	2.00	1586807	31.12	56807	1.08	477025	16.50	T08TC443	93.33	3579.57	none	TTGCATTGTAGATGGGCTTTCCTGTATTTTTTTCCCATATAACCGTAGTTT
chr	249604	BB_0243	glpD	-	0.98	0.56	1.40	245177	5.04	144545	2.83	8.84E+04	1.69	68409	2.37	T04TC219	66.67	226.79	none	TAAATATTTTTTCGTTTCTTGAGATTTTTGAAGTGTTTCCTTGAGCTTTTG
chr	325023	BB_0318	mglA	+	1.87E-04	9.54E-05	2.78E-04	29996	0.62	3	5.88E-05	6.53E+03	0.12	1	3.46E-05	T10TC055	0.00	14.39	lp5	CATTCCAATTTTTTTGCTTAATGCCATTTACTAATATTTCACCCTCATCAA
chr	335333	BB_0328	oppA1	-	3.52	1.70	5.34	27353	0.56	48801	0.96	21653	0.41	63789	2.21	T03TC095	ND[g]	ND	none	TTGTAGATTTTATTAAATTAGCATACATTGCAGCTGTTTTTTTATTTAAAA
chr	337852	BB_0329	oppA2	-	8.03E-05	1.61E-04	0.00	11871	0.24	2	3.92E-05	1.01E+04	0.19	0	0.00	T11TC145	20.00	186.39	lp5	TGTTGTCCATTCTTCGTTTTCAAGTTCCACATCAATATTTAAATTTTTTTT
chr	421166	BB_0408	fruA1	+	0.05	2.25E-04	0.11	16956	0.35	4	7.84E-05	2.14E+04	0.41	1294	0.04	T07TC473	0.00	19.75	lp5	ACAACATCTCCTATAAAATGAGGAATTGCAACCCCATTTTCCCAAGAAGTG
chr	586734	BB_0573		-	9.32E-03	0.02	0.00	1995	0.04	39	7.65E-04	1.11E+02	2.12E-03	0	0.00	T03TC310	0.00	23.04	lp5	AATTAGAAAGCATGTTTCTAAAAACATTTTTTGAAACAATATCAAGACTAT
chr	630181	BB_0604	lctP	-	0.00	0.00	0.00	178	3.66E-03	0	0.00	1.58E+02	3.01E-03	0	0.00	T10P01A01	0.00	24.71	lp28-1	ACTTGGATGTTAACATTGTTTCATCTGAGATTGCATTCCAACTAATACTTC
chr	661151	BB_0629	fruA2	-	0.00	0.00	0.00	11380	0.23	0	0.00	9.50E+03	0.18	0	0.00	T11P02A09	0.00	34.95	none	ATACTTTTAGCAACAACCTATTAAGACATGAACTTATGAGCACAAATAATG
chr	661155	BB_0629	fruA2	-	1.41	0.31	2.51	95141	1.96	31423	0.62	6.27E+04	1.20	86829	3.00	T05TC025	75.00	5297.91	none	AGTAATACTTTTAGCAACAACCTATTAAGACATGAACTTATGAGCACAAAT
chr	675846	BB_0637	nhaC1	+	0.00	0.00	0.00	6226	0.13	0	0.00	2.35E+03	0.04	0	0.00	T04TC415	6.67	39.75	cp32-6, lp5	TTAGCGTTTTGTATGGTAATTTATACTTTCTAGATGTAATGAAAAACATTA
chr	676847	BB_0638	nhaC2	-	3.63E-05	0.00	7.27E-05	22422	0.46	0	0.00	2.50E+04	0.48	1	3.46E-05	T03TC062	0.00	28.86	none	CTATTAAATTCAATGGAACATATTTAAGACCAATATTTACTACAGCATCAA
chr	684113	BB_0645	ptsG	+	0.00	0.00	0.00	10825	0.22	0	0.00	8.73E+03	0.17	0	0.00	T10TC291	0.00	25.18	lp5, lp28-2	TTTTATTTGCCATTTTGGACAACAGGCCTTGGGGGATCTGTTATTATTGAT
chr	775398	BB_0733	plzA	+	9.38E-05	6.74E-05	1.20E-04	70718	1.45	5	9.81E-05	3.02E+04	0.58	2	6.92E-05	T11P01A09	0.00	34.77	lp5	TTGCTTTTGATGAAGATAAAATACCACTTGAGTATACTATGTTGATCCATG
chr	861758	BB_0814	panF	-	2.11	1.37	2.86	3140	0.06	4496	0.09	4.16E+03	0.08	6566	0.23	T06TC081	66.67	535.18	cp9, lp5	TTTTTTTTACAAAAAAAATTAACTACTAAAAATGTAAATATAGAAACAAAA
plasmid_cp26	3500	BB_B04	chbC	-	0.05	0.09	1.40E-03	82762	1.70	8071	0.16	1.72E+05	3.28	133	4.60E-03	T08P01C04	83.33	1795.95	lp21, lp5	ATCATTATAAACTTAGTGGGATTACAGGAGGATTTTTATCTCTTTATACAT
plasmid_cp26	3542	BB_B04	chbC	-	1.79	2.95	0.63	74613	1.53	231178	4.53	123342	2.35	42897	1.48	T09TC043	86.67	1067.25	lp5	TGTCTATATTTGTTGTTTTTGGTATTGGTTATAACTTATCTAATCATTATA
plasmid_cp26	4228	BB_B05	chbA	-	0.56	0.15	0.98	69686	1.43	10628	0.21	121225	2.31	65357	2.26	T05TC295	73.33	1921.04	cp9, lp5	TAGTAAGCTCTGCCTTGTCATATTCTTTGTTTTTGGCATATTCTAAAGCTT
plasmid_cp26	19120	BB_B22	pbuG1	+	9.93E-05	1.81E-04	1.72E-05	84083	1.73	16	3.14E-04	210745	4.02	2	6.92E-05	T07TC086	0.00	28.14	cp9, lp5	ATATACTAGAAAATGCTGATGTTAAGCAAGTTGCAGTAACTAATGCGCCAA
plasmid_cp26	25105	BB_B29	malX2	+	0.01	0.03	3.39E-05	64378	1.32	1744	0.03	106975	2.04	2	6.92E-05	T04TC008	66.67	787.09	none	AAGTAGAAAAAGGAACAGCTGCTTTAGCAGGAGTAGTGGGATTTTTGGTTA
plasmid_lp25	15339	BB_E22	pncA	-	5.75E-05	9.68E-05	1.81E-05	88651	1.82	9	1.76E-04	100099	1.91	1	3.46E-05	T01P01A11	1.13	37.83	cp9	CGATAGTTACAGTGGATTTTATGATGATTGCATTAAAAAAAAACAAACGGG
plasmid_lp38	19646	BB_J26		-	0.89	0.26	1.53	9739	0.20	2634	0.05	19241	0.37	16191	0.56	T07TC043	100.00	5550.18	none	GAGGTAATGAAATATTGTCAAAACCTGTAAGACTTGGGATAAGCTCAAAAT
plasmid_lp54	2388	BB_A04		+	0.16	0.32	0.00	7409	0.15	2508	0.05	14911	0.28	0	0.00	T08TC141	6.67	22.82	lp5	ATTAATTTAAACCCAGAAACAGAATAAAGCGGATCACTCTCTCTAGTAGTT
plasmid_lp54	2796	BB_A04		-	5.46	5.86	5.06	55718	1.15	342545	6.72	84336	1.61	235135	8.13	T09TC181	93.33	1360.64	lp5	GAGAAAGTGGATCAGATAGGCGGGGTCAAGAAAATAGAGCCTTGGGGGCGA
plasmid_lp54	4123	BB_A05		-	0.19	0.37	6.15E-05	31343	0.64	12170	0.24	29505	0.56	1	3.46E-05	T10TC188	53.33	478.43	lp5	CTCTAAATTCTAAGAACAATAGGCTTAAAGATTCTCGGTTAAGTAATTTTG
plasmid_lp54	4249	BB_A05		-	0.07	2.21E-04	0.15	17280	0.36	4	7.84E-05	21021	0.40	1685	0.06	T04TC413	46.67	108.46	lp5, cp9	AAATAGGAATTGCATTTATTATTAGCTTTCTGTTGTTTGTTAATTGTAAGG
plasmid_lp54	5049	BB_A07	chpA1	+	1.16	1.02	1.31	12469	0.26	13275	0.26	17957	0.34	12974	0.45	T10TC085	93.33	2440.71	lp5	AAAACCTTTGAAGGCCTTCTCCTAAGATCAGAATAATTAAATTCTTTACAA
plasmid_lp54	5278	IG 1		+	1.34	2.68	0.00	1420	0.03	3985	0.08	4291	0.08	0	0.00	T07TC152	6.67	38.29	lp5, cp9	GAATAAAATATGTTAAAATGACTTTGGTAGTTAAAAATGGAAATTAAAATT
plasmid_lp54	5658	BB_A09		+	0.82	1.50	0.14	126441	2.60	199299	3.91	143775	2.74	11481	0.40	T08TC084	20.00	82.29	lp21	TTTGATAAAAACTTGGGAATATTGGAAAAAACAATAGAAGAAATTCAAAAT
plasmid_lp54	6541	BB_A10		-	1.75	1.39	2.11	62095	1.28	90504	1.77	78344	1.49	91132	3.15	T05TC404	26.67	203.46	lp5	TTTTGGTATCTCTTTATTCATTTTTATTCTCTGTTAATAAGAAGCCTTTTG
plasmid_lp54	7241	BB_A11		-	2.44	2.17	2.72	54006	1.11	122972	2.41	75040	1.43	112335	3.88	T10TC001	26.67	166.04	lp5	TTGTACGCTTTCTTGTGGTTCGTTGGTATTCATAAATTCTCCTTTTAAATT
plasmid_lp54	8214	BB_A11		+	0.30	0.34	0.25	48045	0.99	17075	0.33	54981	1.05	7660	0.26	T07TC360	6.67	29.04	lp5	GAAGAAATGCCAATACTAAACAAAGTATAAAAATAAATAAAAGGAGACATT
plasmid_lp54	8485	BB_A13		-	5.39	3.71	7.07	22335	0.46	86855	1.70	31545	0.60	122860	4.25	T09TC167	66.67	1138.54	lp5	TTTAAAGCGTCAATGCCAGAGTTGATATTCATTTTATTGTTCATTTTTTTT
plasmid_lp54	8951	BB_A14		-	6.24E-03	0.01	8.14E-05	72866	1.50	948	0.02	133633	2.55	6	2.08E-04	T11P01G08	0.00	19.93	lp5, cp9, cp3	GATGATGGTTCTTCTGGAAGGCTTGCTATTGTAGAGCATGAAAAAATTATA
plasmid_lp54	10837	BB_A16	ospB	-	0.75	0.84	0.65	59888	1.23	53062	1.04	66480	1.27	23793	0.82	T11TC443	60.00	1575.82	lp5, lp21	CTACTGCTTTTGTAGCATTGTCAGCATCTGTTATTTGTGAGTATTCAAGTG
plasmid_lp54	15649	BB_A23		+	0.62	0.47	0.77	168180	3.46	83592	1.64	109974	2.10	46662	1.61	T09TC185	20.00	387.00	cp9	TTTGAAATAACAGAGATTAAGGTGAAAGATCAGGTTTTTGTGCATTTTCTT
plasmid_lp54	16452	BB_A24	dbpA	+	1.31E-04	1.77E-04	8.48E-05	53852	1.11	10	1.96E-04	85609	1.63	4	1.38E-04	T07TC073	0	22.57	lp21, cp9	ATGTCTTTAGCGCTTCGTTCTAATCTAATTTTTGTTGCTCCTGTTAGTCCA
plasmid_lp54	16508	BB_A24	dbpA	+	6.79E-05	9.83E-05	3.74E-05	87277	1.79	9	1.76E-04	96957	1.85	2	6.92E-05	T09TC360	20.00	86.61	lp5, lp21	TATAAGTAGGTTAACAAGTATAGTTAGTTTAAGTAAATTGTTAAAAGTTTT
plasmid_lp54	16973	BB_A25	dbpB	+	1.31E-04	1.42E-04	1.20E-04	40198	0.83	6	1.18E-04	60410	1.15	4	1.38E-04	T05TC247	13.33	130.86	none	TCTATTATCTTAAGGAACTTTCCTGTTTCAACAATGGCTTGTACTTTTGCT
plasmid_lp54	17877	IG2		+	1.01	1.01	1.01	55267	1.14	58725	1.15	51630	0.98	28825	1.00	T07TC478	66.67	302.79	lp5	TTTGTTCGTTAACAACGATTTTTTTGATTTTTGTTTCTTGCTCTTGAGTAA
plasmid_lp54	18257	BB_A30		+	8.39E-05	1.22E-04	4.62E-05	39198	0.81	5	9.81E-05	39241	0.75	1	3.46E-05	T11TC389	0.00	29.75	not done	TCCGGTGATTCTGTTTGTAAAAAGAATTCTTTTTCTAGCGACCTGGCAGAA
plasmid_lp54	18998	BB_A31		+	1.30	1.02	1.58	83474	1.72	89031	1.75	82674	1.58	72171	2.50	T04TC159	0.00	26.71	lp5	TTTTATGAGCAAGATACCAATAATTTTATTATAGGCAACTCAATTGGTTTG
plasmid_lp54	21041	IG 3		-	0.11	3.59E-04	0.21	15928	0.33	6	1.18E-04	26719	0.51	3151	0.11	T08TC315	6.67	42.86	lp5	TTATTTCAAATAACTAAAAAACATACAAATTTTTCATGAACCTATTATTCA
plasmid_lp54	21467	BB_A33		+	0.25	0.22	0.28	53212	1.09	12143	0.24	66311	1.26	10146	0.35	T07TC131	33.33	256.89	lp5	ACAGCCAGAGTTGAAACTTTTAAATCAAAAATATTCAGATATAGATGAAAA
plasmid_lp54	22398	BB_A34	oppAV	-	0.25	0.51	1.25E-04	33893	0.70	18023	0.35	57977	1.11	4	1.38E-04	T07TC190	0.00	20.68	none	AAACACAAATGTTAAACCTCTTAACAATGTAAAAGTAAGAGAAGCATTGGC
plasmid_lp54	23281	IG 4		-	8.56E-04	1.31E-04	1.58E-03	29146	0.60	4	7.84E-05	41307	0.79	36	1.25E-03	T10TC201	0.00	19.29	lp5	ATAAGGATATGATAATAAAAAAAAGAGGACTTTTAATACTGGGCATTGCTA
plasmid_lp54	24047	BB_A36		+	0.54	0.82	0.26	35055	0.72	30315	0.59	25526	0.49	3590	0.12	T04TC239	60.00	1368.39	lp5	TTTTTTGATTGGCTTTCTAAGGATGTTAACAGACAAAAAGAATTTATAAGC
plasmid_lp54	25661	BB_A38		+	3.82	4.05E-04	7.64	2356	0.05	1	1.96E-05	3663	0.07	15423	0.53	T08P02H04	13.33	47.04	not done	AGGTTCAGTTAAAAGAAGCTCTTCTTGAAGCAATGATAAGCTACAGATTTA
plasmid_lp54	26934	BB_A39		+	0.79	3.62E-04	1.59	5273	0.11	2	3.92E-05	6668	0.13	5837	0.20	T11TC143	33.33	403.64	none	GAAAATCTTTTAGCAAAAGGGTATTCTTTTAAAGAGGTTGTAAAAGGACAA
plasmid_lp54	27741	BB_A40		-	0.05	0.00	0.10	8313	0.17	0	0.00	9036	0.17	511	0.02	T04TC014	0.00	29.39	lp21	AGTCTACACAAACCCCATAAAGATCACTACCACCGCCTTTTGCTATTTGCA
plasmid_lp54	28205	BB_A41		+	0.51	0.24	0.79	64786	1.33	16126	0.32	84790	1.62	36898	1.28	T05TC266	53.33	434.43	lp-21	TAATGATTTTAACACAGTCTCAACAATAAAGTTCCAAAGACAAATAGTAAA
plasmid_lp54	29006	BB_A42		+	0.22	0.26	0.17	61325	1.26	16837	0.33	106429	2.03	10019	0.35	T04TC207	6.67	31.75	lp28-2	AGAATCACTGCAAAGAGTGTATGAGCAAATACTTAAGCTTTTAATGCTTGA
plasmid_lp54	29368	BB_A42		-	0.54	0.89	0.19	23649	0.49	21981	0.43	47123	0.90	4939	0.17	T06TC429	ND	ND	not done	AGAGAGCCTTTTGCTCTTAAATCTTTTATTAAATCATCCAAGCATTTGCAA
plasmid_lp54	29485	BB_A43		-	3.36	4.73	1.99	52195	1.07	258646	5.07	72732	1.39	79814	2.76	T03TC197	6.67	54.11	lp28-2, lp5, c	TATTGGATCTTTGATTACTCTGAATTTACAGAAAAAAAGTTCTTGTGAATA
plasmid_lp54	29749	BB_A43		+	9.45E-05	1.55E-04	3.38E-05	110577	2.27	18	3.53E-04	160773	3.07	3	1.04E-04	T04TC051	0.00	24.93	lp36	CTCTTGTTGAGTGTAAAGATTAAATTTAAAGACATTTCTTTTAATGCAGAA
plasmid_lp54	30440	BB_A45		-	0.29	1.12E-03	0.58	40094	0.82	47	9.22E-04	49277	0.94	15747	0.54	T11P01B09	93.33	3982.57	none	TCGTGTAAAAATTCCAAAAAGTGTTCATACACTTTGCAAATGTTCTCATAA
plasmid_lp54	31932	BB_A47		+	0.69	0.75	0.63	86931	1.79	68052	1.33	99711	1.90	34899	1.21	T08TC188	13.33	187.11	none	AAGAACCGTTGTTCATATTTTTGATTTAGAAGTAAGCAAAGGGTCTCTTGA
plasmid_lp54	32244	IG 5		+	0.16	0.17	0.14	27497	0.57	4912	0.10	20549	0.39	1585	0.05	T05TC582	40.00	85.21	lp5	AAGGATAAGAATTAAAAATGAGATACAAGTTAAAAATATTAACCAGAGCCA
plasmid_lp54	32713	BB_A48		-	4.38E-05	8.76E-05	0.00	10891	0.22	1	1.96E-05	6031	0.11	0	0.00	T09TC426	53.33	491.96	lp5	ACCAGGCTCTAAAGAATCTTCTGAGTTTAAGTCTGAAGGCTTGCTGTTTGT
plasmid_lp54	33872	BB_A50		-	0.00	0.00	0.00	5198	0.11	0	0.00	5361	0.10	0	0.00	T10TC539	73.33	2089.79	none	GAATGTAAAGTTTTCTTAAAAAATCATTTCTCTCAAGCTCTGTTTCAAAAG
plasmid_lp54	34774	BB_A51		-	0.12	0.03	0.21	1756	0.04	53	1.04E-03	4025	0.08	470	0.02	T08TC533	ND	ND	none	CCTGAATTGCATTTTTATAAAATTGCTATTAAATTCTAAAGCACTATTCAT
plasmid_lp54	36107	BB_A53		+	3.49	1.56	5.42	42545	0.87	69675	1.37	56965	1.09	170101	5.88	T08TC151	66.67	655.79	lp5	GAAGGGTTAATACAAAATGTAATTAATAAAATAGGACCTGAGAATATTTTA
plasmid_lp54	36853	BB_A55		+	0.32	0.26	0.39	86044	1.77	23205	0.46	106424	2.03	22924	0.79	T04TC027	0.00	25.57	none	AAAACTGCAGACATTGTAAAAATTTATTATAAAAAGTTTTCAGATCAGCAA
plasmid_lp54	38515	BB_A57		+	6.88E-04	1.29E-03	8.18E-05	57466	1.18	78	1.53E-03	44342	0.85	2	6.92E-05	T06TC301	13.33	69.46	lp21	TTTGTTTAGCTCTTCGAGCAATCTGTTTTTTATTATTTCTATGTTCTCGGT
plasmid_lp54	39628	IG 6		+	3.21E-03	5.28E-03	1.15E-03	150872	3.10	835	0.02	135818	2.59	86	2.97E-03	T11TC397	33.33	913.29	not done	TAGTGGTGCTGTTTTTAAATTTTCTAAATTTTTCTAAAACTCTAAGCACCA
plasmid_lp54	39966	BB_A59		+	0.00	0.00	0.00	1718	0.04	0	0.00	511	0.01	0	0.00	T03TC032	0.00	27.82	lp5	TGGGTTTTTCTTTTTTTCATCTTTTTTTTCTTGTTCTAATTCTTTGTGCAC
plasmid_lp54	40458	BB_A60		+	0.34	0.61	0.07	26955	0.55	17375	0.34	37116	0.71	1486	0.05	T04TC322	73.33	776.71	cp9	AAGGTCTTTTAAAATATAATCTTTGGGTTTTTGGATGTCGTTTGGGGGATT
plasmid_lp54	42339	BB_A62	lp6.6	+	0.06	1.98E-04	0.12	24045	0.49	5	9.81E-05	30272	0.58	2040	0.07	T06TC042	13.33	59.21	lp5	GATGAGATGGAAAATACTAGCGATGAAGATTCAAAAGTTACAGCTCCAATG
plasmid_lp54	43747	BB_A65		+	1.29	0.61	1.97	64304	1.322	41388	0.81	64677	1.23	70124	2.43	T04TC086	66.67	974.32	lp21	AAAGAGAAATCATAGTATCTTTATATGTTTGCTCAATGTGGTCGTTTAGCT
plasmid_lp54	44356	BB_A65		+	1.07E-04	1.76E-04	3.72E-05	54134	1.11	10	1.96E-04	48722	0.93	1	3.46E-05	T10TC423	100.00	1959.68	lp5	TTAAGTTTTTTGTTGATCTTTGATCTTGTGTTTTTGTGCCTTTTTGAGGAC
plasmid_lp54	45034	BB_A66		+	0.75	1.21	0.29	154934	3.19	196818	3.86	158720	3.03	25060	0.87	T04TC119	20.00	130.11	none	CCTGATATCATTAATTCTCTTATTAAGCTGTGATTTTGATTCTCATTGTAA
plasmid_lp54	46058	IG 7		+	2.90E-04	5.79E-04	0.00	3293	0.07	2	3.92E-05	9448	0.18	0	0.00	T06TC169	20.00	101.18	lp21	AAATATAAATAAAAAAGAGCAAATACTTTGCTCTTTTTTATTTATTCTACT
plasmid_lp54	47116	BB_A68	cspA	+	0.63	0.81	0.45	12056	0.25	10269	0.20	12922	0.25	3232	0.11	T09TC331	53.33	332.75	lp5	TTTGCATTTGCTTTAGGATCGATTTTGCTAAAAGGTGCGCATGAGGTGCAA
plasmid_lp54	47866	BB_A69		-	1.01	0.27	1.76	51628	1.06	14377	0.28	55208	1.05	53484	1.85	T07TC174	66.67	4023.79	none	TTCATCTTTAGATTATAAAAAAGAAAACATAGAGACATTAAAAGAAATTCT
plasmid_lp54	49049	BB_A70		-	0.35	0.38	0.31	86138	1.77	34499	0.68	85498	1.63	14702	0.51	T05TC223	100.00	2948.93	none	AATAGAAAAAAATTACTGCCGAAAAAGAATCTGATCTCTTAGAAACTCTTGA
plasmid_lp54	49809	BB_A71		-	3.49E-04	3.02E-04	3.96E-04	3162	0.07	1	1.96E-05	4579	0.09	1	3.46E-05	T03TC087	66.67	584.32	lp5	GAAAATATAATTATAGGACTACTTTATCACAAAGCATTGGGCATTCAAGAA
plasmid_lp54	50033	BB_A0078		+	1.68	3.22	0.15	17959	0.37	60629	1.19	27847	0.53	2252	0.08	T07TC484	86.67	2761.71	lp5	TAAAGTTAGTATTGTTGCAATGATATTTAGTTTATTTTTTGTCAAAACACT
plasmid_lp54	50326	BB_A73		-	1.87E-03	1.96E-04	3.54E-03	14597	0.30	3	5.88E-05	22572	0.43	44	1.52E-03	T11TC031	33.33	1191.29	lp5	AAACACCGCTAAAAACCTGTTGTGACCACATACACTACTAATTGGTGGTGT
plasmid_lp54	50991	BB_A73		+	0.94	0.76	1.12	70432	1.45	56191	1.10	110697	2.11	68428	2.37	T11TC534	100.00	1784.00	lp5	TTGAAGATTTTGGGTGCTTACAATCTTTTCTGTTTTTTGTAAAACTTTAAT
plasmid_lp54	51718	BB_A74	osm28	-	2.38	1.58	3.18	11004	0.23	18258	0.36	10969	0.21	19200	0.66	T03TC322	0.00	27.43	lp5	ATATTTTAGTCATTGTTAATTCTCCTTATTTAAACATTTATTTTTATTATT

IG, Intergenic; MFI, mean fluorescence intensity

[a] Bacterial population recovered from the mouse inoculum grown in culture

[b] Bacterial population isolated from organ cultures from infected mice

[c] Results of an STM screen in mice in Lin *et al, 2012*

[d] % of total reads in population recovered from mice/% total reads in the cultured inoculum

[e] Fifteen tissues were analyzed for each mutant, 5 tissues from 3 infected mice

[f] A fitness value of 0 indicates the insertion sequence was not present in the population following mouse infection

[g] Mutant not tested in the STM screen

Table S5. Tn-seq results for mutants not expected in mouse Tn-seq screen

						Group 1					Group 2				
						Culture[a]		Mouse[b]			Culture[a]		Mouse[b]		
Location	Insertion Site	Gene Locus	Gene Name	Strand	Mean Fitness Value	# of Sequence Reads	% of Total Sequence Reads	# of Sequence Reads	% of Total Sequence Reads	Fitness Value[c]	# of Sequence Reads	% of Total Sequence Reads	# of Sequence Reads	% of Total Sequence Reads	Fitness Value
chromosom	16023	BB_0017		+	2.33E-05	20443	0.42	1	1.96E-05	4.66E-05	19876	0.38	0	0.00	0.00
chromosom	16404	BB_0017		-	0.00[d]	1146	0.02	0	0.00	0.00	3470	0.07	0	0.00	0.00
chromosom	48358	BB_0051		+	0.77	83829	1.72	72985	1.43	0.83	18577	0.35	7230	0.25	0.71
chromosom	162049	BB_0161		-	16.10	13539	0.28	85169	1.67	6.00	8990	0.17	129877	4.49	26.21
chromosom	203963	BB_0202		+	0.00	3909	0.080	0	0.00	0.00	2487	0.05	0	0	0
chromosom	210905	BB_0208		+	0.00	3974	0.08	0	0.00	0.00	2716	0.05	0	0.00	0.00
chromosom	247158	BB_0241	glpK	-	0.19	4864	0.100	1952	0.04	0.38	3547	0.07	1	3.46E-05	5.11E-04
chromosom	259760	BB_0252		-	1.43E-05	33239	0.68	1	1.96E-05	2.87E-05	14792	0.28	0	0.00	0.00
chromosom	259760	BB_0252		-	1.43E-05	33239	0.683	1	1.96E-05	2.87E-05	14792	0.28	0	0	0
chromosom	278726	BB_0265		-	0.00	243	5.00E-03	0	0.00	0.00	100	1.91E-03	0	0.00	0.00
chromosom	335795	BB_0328		+	0.69	58	1.19E-03	46	9.02E-04	0.76	55	1.05E-03	19	6.57E-04	0.63
chromosom	335960	BB_0328		-	0.98	946	0.02	1092	0.02	1.10	981	0.02	466	0.02	0.86
chromosom	336240	BB_0328		-	0.86	681	0.01	682	0.01	0.96	757	0.01	322	0.01	0.77
chromosom	336408	BB_0328		+	0.92	216	4.44E-03	242	4.75E-03	1.07	202	3.85E-03	86	2.97E-03	0.77
chromosom	336495	BB_0328		+	0.85	23	4.73E-04	22	4.31E-04	0.91	23	4.38E-04	10	3.46E-04	0.79
chromosom	387418	BB_0377	luxS	-	2.75	959	0.02	5529	0.11	5.50	1407	0.03	0	0.00	0.00
chromosom	433284	BB_0420		-	0.00	63085	1.30	3	5.88E-05	4.54E-05	41195	0.79	0	0.00	0.00
chromosom	476098	BB_0456		+	0.00	52	1.07E-03	0	0.00	0.00	645	0.01	0	0.00	0.00
chromosom	576468	BB_0563		-	0.47	33503	0.69	22323	0.44	0.64	36952	0.70	6030	0.21	0.30
chromosom	609976	BB_0591		-	0.66	25027	0.51	4437	0.09	0.17	14410	0.27	9181	0.32	1.16
chromosom	633518	BB_0607	pcrA	-	0.00	58	1.19E-03	0	0.00	0.00	1138	0.02	0	0.00	0.00
chromosom	644034	BB_0616		-	5.72E-05	8335	0.171	1	1.96E-05	1.14E-04	4126	0.08	0	0	0
chromosom	675579	BB_0637		-	0.00	1404	0.029	0	0.00	0.00	1696	0.03	0	0	0
chromosom	682871	BB_0644		+	3.55E-04	3010	0.06	0	0.00	0.00	2555	0.05	1	3.46E-05	7.10E-04
chromosom	708138	BB_0669		+	0.00	208	4.28E-03	0	0.00	0.00	207	3.95E-03	0	0.00	0.00
chromosom	761926	BB_0723		+	0.05	2812	0.06	0	0.00	0.00	2795	0.05	140	4.84E-03	0.09
chromosom	771307	BB_0731		+	0.00	295	0.01	0	0.00	0.00	164	3.13E-03	0	0.00	0.00
chromosom	774466			+	0.00	1060	0.02	0	0.00	0.00	99	1.89E-03	0	0.00	0.00
chromosom	815254	BB_0773		-	4.34E-03	59435	1.22	289	0.01	4.64E-03	68609	1.31	153	0.01	4.05E-03
chromosom	876597	BB_0830		+	0.01	47911	0.99	61	1.20E-03	1.21E-03	28995	0.55	312	0.01	0.02
chromosom	888240			-	0.00	1584	0.03	0	0.00	0.00	1482	0.03	0	0.00	0.00
chromosom	906090	BB_0848a		+	0.24	10740	0.22	4601	0.09	0.41	7363	0.14	266	0.01	0.07
plasmid_cp32-4	23395	BB_R36	bppA	+	0.32	32131	0.66	4110	0.08	0.12	42482	0.81	12192	0.42	0.52
plasmid_cp32-6	1185	BB_M01		-	2.73	1078	0.02	6163	0.12	5.45	1049	0.02	0	0.00	0.00
plasmid_cp32-7	5135	BB_O07		+	0.09	14957	0.31	2337	0.05	0.15	29260	0.56	601	0.02	0.04
plasmid_cp9	8639	BBC12		-	0.31	23116	0.48	2956	0.06	0.12	30224	0.58	8237	0.28	0.49
plasmid_lp17	12323	BB_D20		-	0.00	351	0.01	0	0.00	0.00	436	0.01	0	0.00	0.00
plasmid_lp21	11096			+	0.26	57	1.17E-03	20	3.92E-04	0.33	72	1.37E-03	7	2.42E-04	0.18
plasmid_lp28-1	4837	BB_F10		+	0.00	1196	0.02	0	0.00	0.00	1601	0.03	0	0.00	0.00
plasmid_lp28-1	8473	BB_F16		+	4.64E-04	1028	0.02	1	1.96E-05	9.28E-04	2808	0.05	0	0.00	0.00
plasmid_lp28-2	13899	BB_G17		-	1.37	4297	0.09	12369	0.24	2.75	5414	0.10	0	0.00	0.00
plasmid_lp28-2	19829	BB_G24		-	5.35	14278	0.29	38441	0.75	2.57	15152	0.29	67868	2.35	8.13
plasmid_lp28-3	20826	BB_H30		+	0.00	173	3.56E-03	0	0.00	0.00	1589	0.03	0	0.00	0.00
plasmid_lp28-3	21777	BB_H32		-	0.00	1645	0.03	0	0.00	0.00	1296	0.02	0	0.00	0.00
plasmid_lp36	21081	BB_K32		+	0.00	1181	0.02	0	0.00	0.00	3674	0.07	0	0.00	0.00
plasmid_lp36	21996	BB_K34		+	3.15E-04	1057	0.02	0	0.00	0.00	2883	0.05	1	3.46E-05	0.00
plasmid_lp36	24374	BB_K39		-	1.82E-04	10482	0.22	4	7.84E-05	3.64E-04	20326	0.39	0	0.00	0.00
plasmid_lp36	25961	BB_K41		-	0.00	975	0.02	0	0.00	0.00	1208	0.02	0	0.00	0.00
plasmid_lp36	30899	BB_K48		+	0.67	1045	0.02	0	0.00	0.00	3219	0.06	2364	0.08	1.33
plasmid_lp38	7922	BB_J11		+	0.00	10833	0.22	0	0.00	0.00	8687	0.17	0	0.00	0.00
plasmid_lp54	5588	BB_A08		-	0.00	455	0.009	0	0.00	0.00	481	0.01	0	0	0
plasmid_lp54	15220	BB_A22		+	7.99E-05	41768	0.859	7	1.37E-04	1.60E-04	43367	0.83	0	0	0
plasmid_lp54	29484	BB_A43		-	1.94	17	3.50E-04	53	1.04E-03	2.97	34	6.48E-04	17	5.88E-04	0.91
plasmid_lp54	43967	BB_A65		-	0.69	20740	0.426	1460	0.03	0.07	26966	0.51	19388	0.67	1.30
plasmid_lp54	44656			+	1.49	11724	0.24	25432	0.50	2.07	17088	0.33	8519	0.29	0.90
plasmid_lp54	45178	BB_A66		+	7.61E-05	6267	0.129	1	1.96E-05	1.52E-04	4912	0.09	0	0	0
plasmid_lp54	46055			-	0.00	1903	0.04	0	0.00	0.00	6513	0.12	0	0.00	0.00
plasmid_lp54	48155	BB_A69		+	0.39	31	6.37E-04	14	2.75E-04	0.43	31	0.00	6	2.08E-04	0.35
plasmid_lp54	52311	BB_A74	osm28	+	0.00	241	0.005	0	0.00	0.00	954	0.02	0	0	0

IG, Intergenic

[a] Bacterial population recovered from the mouse inoculum grown in culture

[b] Bacterial population isolated from organ cultures from infected mice

[c] % of total reads in population recovered from mice/% total reads in the cultured inoculum

[d] A fitness value of 0 indicates the insertion sequence was not present in the population following mouse infection

Table S6. Primer sequences used in this study

Primer	Sequence
p408(KpnI)-F	5'-GGGGTACCCCAAACTGATTATTTTAAATAATATAAAAATTGTTTTACC-3'
pbb407(XbaI)-R	5'-GCTCTAGAGCTTAATTAAAACCAGCAATAAAAGC-3'
pMargent1	5'-CGGCAAGTTCATCC TTAGGAGACCGGGG-3'
olj376	5’-GTGACTGGAGTTC AGACGTGTGCTCTTCCGATCTGGGGGGGGGGGGGGG-3'
pMargent2	5’-AATGATACGGCGACCACCGAGATCTACACTCTTTCCGGGGACTTATCAGCCAACCTGTTA-3'
Indexing Primer	5’-CAAGCAGAAGACGGCATACGAGATNNNNNNGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT-3'
pMargent3	5’-ACACTCTTTCCGGGGACTTATCAGCCAACCTGTTA-3'
recA qPCR For	5'-GTGGATCTATTGTATTAGATGAGGCTCTCG-3'
recA qPCR Rev	5'-GCCAAAGTTCTGCAACATTAACACCTAAAG-3'
aacC1 qPCR For	5’-GTTTGCCGGATCAAGAGCTA-3'
aacC1 qPCR Rev	5’-GCAGAGCGAGGTATGTAGG-3'
aadA qPCR For	5’-GGCTTGATGAAACAACGCGG-3'
aadA qPCR Rev	5’-GTCGTCGTGCACAACAATGG-3'
ermC qPCR For	5’-GAGGTGTAATTTCGTAACTGCC-3'
ermC qPCR Rev	5’-TGGAAATTATCGTGATCAACAAG-3'
bb408_For	5'-GGATCCTTAATTCCGCCCCAATCATA-3'
bb408_Rev	5'-GGATCCTGTTAAGAAAATACAAGTGTTTGGAG-3'
bbb29_For	5'-GCCTTCATGCTTCCAATAGCAC-3'
bbb29_Rev	5'-TCCGCCAGAAAATGTTAGTCCA-3'
rrp1_For	5'-AAAGATAAAGCTTTTGAAGCAGAGA-3'
rrp1_Rev	5'-TCAAAAAGAATAGCAACTGGCAA-3'