

**Table S1: Mean values with standard deviations for all assays.**

Strain name <sup>a</sup> :	Ect1						BPH-1						Hemolysis <sup>e</sup>	
	Attachment <sup>b</sup>		Cytolysis <sup>c</sup>		ADC <sup>d</sup>		Attachment <sup>b</sup>		Cytolysis <sup>c</sup>		ADC <sup>b</sup>			
	mean	stdev	mean	stdev	mean	stdev	mean	stdev	mean	stdev	mean	stdev	mean	stdev
Bkgd			6.731	3.106	5.033	1.452			0.868	0.675	5.992	2.368	1.700	1.161
T1	4.071	0.885	1.518	1.210	1.764	0.629	1.198	0.512	2.239	0.931	7.573	3.397	1.400	0.144
G3	5.045	1.328	6.226	1.813	3.448	0.565	3.665	2.456	8.700	1.908	3.349	1.353	37.884	14.446
NYH286	5.616	1.411	1.522	1.275	0.584	0.460	2.198	0.873	1.461	1.103	4.479	2.204	9.943	2.572
NYH272	6.864	1.478	12.063	2.585	3.021	1.183	6.447	3.304	7.230	1.347	2.961	0.380	22.345	4.364
CDC337	6.866	0.919	3.760	1.438	3.070	1.385	2.021	0.369	2.983	1.172	4.196	0.605	8.913	1.449
CDC570	8.095	5.467	4.662	1.336	2.753	0.640	4.106	0.765	3.194	1.324	4.503	0.486	5.793	1.092
RU384	8.221	1.262	7.798	2.231	1.643	1.128	3.189	1.779	5.946	2.255	5.459	1.172	27.274	6.780
MSA1043	8.809	1.177	44.540	6.823	0.755	0.559	11.929	2.380	31.578	4.581	4.790	1.312	0.356	0.183
MSA881	9.856	3.161	6.329	2.283	1.619	0.183	4.240	0.848	1.538	0.694	5.745	0.624	2.855	0.624
NYH209	11.383	1.968	11.863	1.459	3.734	0.117	6.005	3.063	3.154	0.980	3.222	0.834	19.532	1.540
MSA1124	11.673	2.808	50.515	5.867	2.048	0.767	13.949	0.725	58.761	5.823	3.500	0.830	2.119	0.016
MSA1103	12.244	1.581	57.112	7.549	3.273	0.520	39.563	4.947	71.672	4.396	4.416	0.384	6.477	1.290
SD10	12.513	2.484	31.623	2.721	0.835	0.392	6.062	2.472	8.879	2.766	4.349	0.835	7.140	1.899
MSA1123	16.662	2.922	4.182	1.540	1.747	1.032	11.440	2.788	4.539	1.409	4.123	0.926	1.297	1.053
HsD:NIH	18.916	2.525	13.935	3.113	3.131	0.905	14.870	2.267	10.777	2.858	5.992	2.368	3.600	2.409
RU382	20.980	2.225	12.341	4.070	1.621	0.866	12.647	3.550	20.839	2.983	8.551	1.948	5.813	2.540
RU393	21.562	1.753	40.415	7.306	0.596	0.858	13.101	2.232	64.088	7.766	5.278	1.893	4.272	1.546
LSU2048	24.169	2.986	78.512	8.687	1.921	0.595	22.217	3.752	66.139	7.465	4.198	0.382	10.372	2.683
CDC1042	25.279	4.133	62.313	7.223	3.127	1.574	31.263	6.760	74.885	6.629	5.555	0.872	10.924	2.387
SD7	25.376	2.250	45.878	3.003	2.612	2.642	54.075	8.210	57.224	6.082	1.061	0.880	0.890	0.639
LSU160	26.807	4.254	73.654	5.338	2.437	0.733	46.931	4.902	80.719	5.980	3.778	0.231	15.189	5.640
MSA1106	28.032	3.200	17.628	2.668	1.998	0.235	31.723	6.126	38.874	16.508	4.676	0.571	15.823	9.523
B7268	33.138	4.014	35.250	3.974	3.543	1.072	42.246	7.223	8.784	2.668	1.911	1.612	6.267	1.955
LA1	34.142	9.900	46.095	12.625	4.665	1.310	11.280	2.446	68.331	9.654	3.944	0.971	18.434	3.672
B7RC2	36.422	4.390	6.015	3.433	5.120	0.626	32.091	3.788	6.082	1.922	2.892	1.185	2.642	0.491
MSA1132	50.375	5.993	76.236	7.859	2.574	0.448	43.496	1.402	94.433	8.430	3.023	0.650	15.705	5.141
+C			92.580	6.120	95.148	6.821			91.561	6.060	97.256	3.964	95.833	0.715
MSA1132(*)					76.694	11.518					50.147	13.140		

<sup>a</sup> Strains ordered by increased attachment to Ect1 cells

<sup>b</sup> percent of attached parasites

<sup>c</sup> percent of LDH release

<sup>d</sup> ADC: attachment-dependent cytolysis

**Table S2: Pearson correlation ranks.** Strains ranked independently for attachment, cytolysis and hemolysis.

Strain	Ect1		BPH-1		
name <sup>a</sup> :	Attachment	Cytolysis	Attachment	Cytolysis	Hemolysis
T1	1	1	1	3	4
NYH286	2	2	3	1	16
G3	3	7	5	11	26
NYH272	4	11	10	10	24
CDC337	5	3	2	4	15
CDC570	6	5	6	6	10
RU384	7	9	4	8	25
MSA1043	8	18	13	16	1
MSA881	9	8	7	2	7
NYH209	10	10	8	5	23
MSA1124	11	21	16	19	5
MSA1103	12	22	22	23	13
SD10	13	4	9	7	3
MSA1123	14	15	12	13	14
HsD:NIH	15	12	17	14	8
RU382	16	12	14	15	11
RU393	17	17	15	20	9
LSU2048	18	26	18	21	17
CDC1042	19	23	19	24	18
SD7	20	20	26	22	22
LSU160	21	14	25	17	21
MSA1106	22	24	20	25	19
B7268	23	19	23	18	2
LA1	24	16	11	12	12
B7RC2	25	6	21	9	6
MSA1132	26	25	24	26	20

<sup>a</sup> Strains ordered by increased attachment to Ect1 cells