

Suppl. Table 6. *Haloferax volcanii* pHv1 base substitution and inserion-deletion (indel) summary statistics

MA Line	Substitutions											Indels					Total sites	Gen.	Base- sub Rate	Indel Rate
	Transitions						Transversions					Ins.	Del.							
	GC>AT		AT>GC		AT>TA		GC>TA		AT>CG		GC>CG									
Hv1	1	1.4E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3384	8E-09	0
Hv2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3456	0	0
Hv4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3456	0	0
Hv5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3456	0	0
Hv7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3072	0	0
Hv8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3384	0	0
Hv16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3504	0	0
Hv17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3528	0	0
Hv18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3312	0	0
Hv19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3288	0	0
Hv20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3168	0	0
Hv21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3096	0	0
Hv22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	2832	0	0
Hv23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3240	0	0
Hv25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71140	3360	0	0
Hv26	0	0	0	0	0	0	1	1E-08	0	0	0	0	0	0	0	0	39203	3360	8E-09	0
Hv29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3168	0	0
Hv30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3360	0	0
Hv32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3312	0	0
Hv33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3240	0	0
Hv34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3336	0	0
Hv35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3288	0	0
Hv41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3216	0	0
Hv42	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8E-09	0	39203	3192	0	8E-09
Hv43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3360	0	0
Hv44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	2904	0	0
Hv45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3120	0	0
Hv46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3288	0	0
Hv47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3408	0	0
Hv48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3312	0	0
Hv49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3336	0	0
Hv50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3408	0	0
Hv51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71137	3288	0	0
Hv52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71140	3600	0	0
Hv53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3456	0	0
Hv54	1	1.3E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3528	7E-09	0
Hv65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3384	0	0
Hv66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3336	0	0
Hv67	0	0	0	0	1	1.8E-08	0	0	0	0	0	0	0	0	0	0	39203	3168	8E-09	0
Hv68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3216	0	0

Hv69	0	0	0	0	0	0	1	1E-08	0	0	0	0	0	0	0	0	39203	3336	8E-09	0
Hv73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3096	0	0
Hv74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3192	0	0
Hv75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3192	0	0
Hv76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3168	0	0
Hv77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3144	0	0
Hv79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3168	0	0
Hv80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3000	0	0
Hv85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71140	3096	0	0
Hv86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3096	0	0
Hv87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3312	0	0
Hv88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3432	0	0
Hv90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3144	0	0
Hv98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39203	3312	0	0
	2		0		1		2		0		0		0		1					
Overall mut rat	4.9E-10			0		3E-10		5E-10		0		0		0		1E-10			7E-10	1E-10
lower limit	6E-11			0		7.6E-12		6E-11		0		0		0		3E-12			2E-10	3E-12
upper limit	1.8E-09		1E-09			1.7E-09		2E-09		1E-09		9.1E-10		5E-10		8E-10			2E-09	8E-10
SEM*	3.5E-10			0		3.3E-10		4E-10		0		0		0		1E-10			3E-10	1E-10

* SEM is the standart error.