

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.7009	0.6986	0.7055	1.05	1.04	1.05	0.2384	0.2268	10	nan	nan
0.6366	0.6344	0.6394	1.06	1.06	1.06	0.2384	0.2268	10	0.0474	0.1176
0.6201	0.617	1.0	1.06	1.06	1.07	0.2384	0.2268	10	0.0476	0.1252

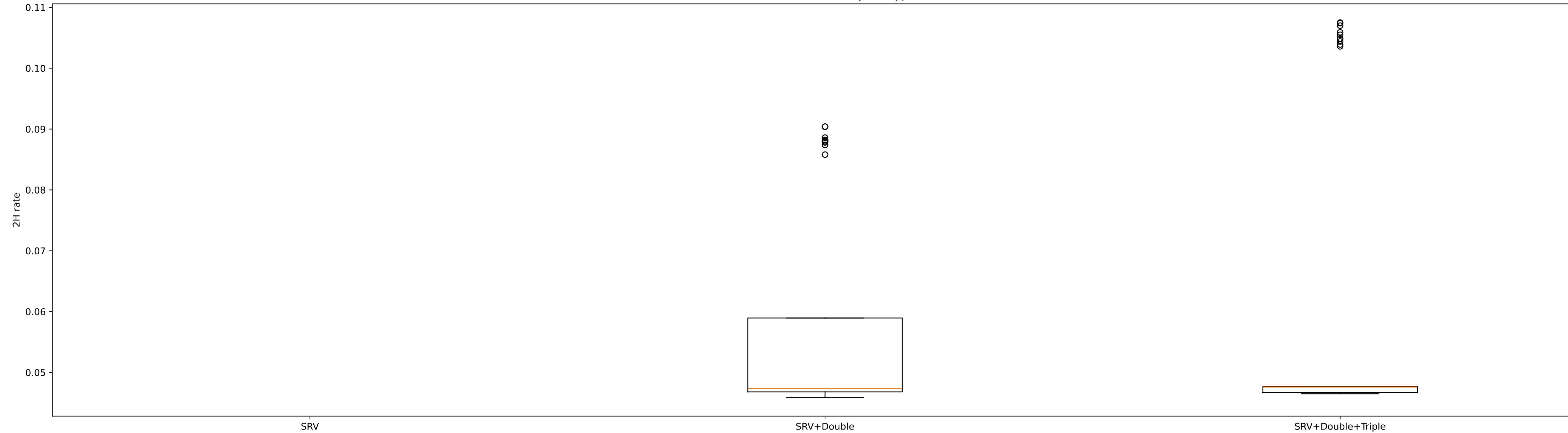
K (alternative) by run type



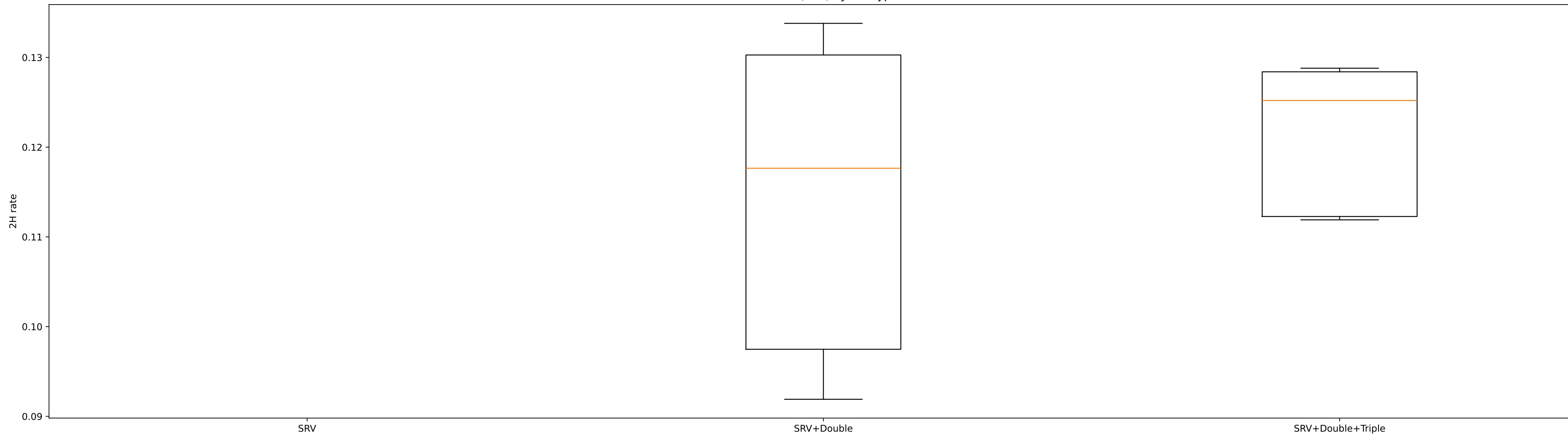
RELAX LRT p-values by run type



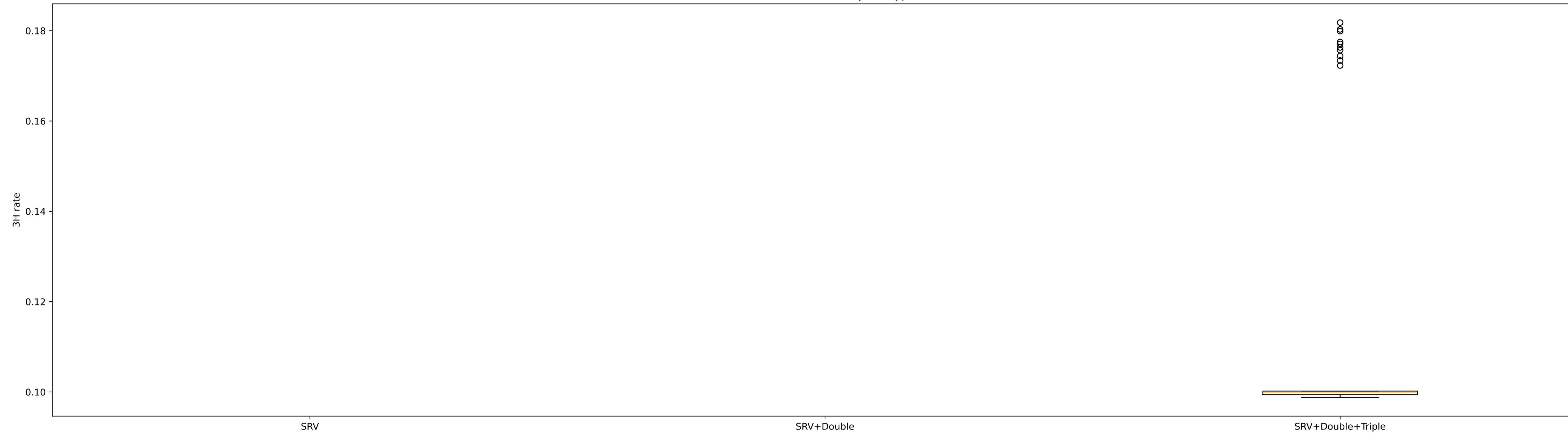
2H rates (reference) by run type



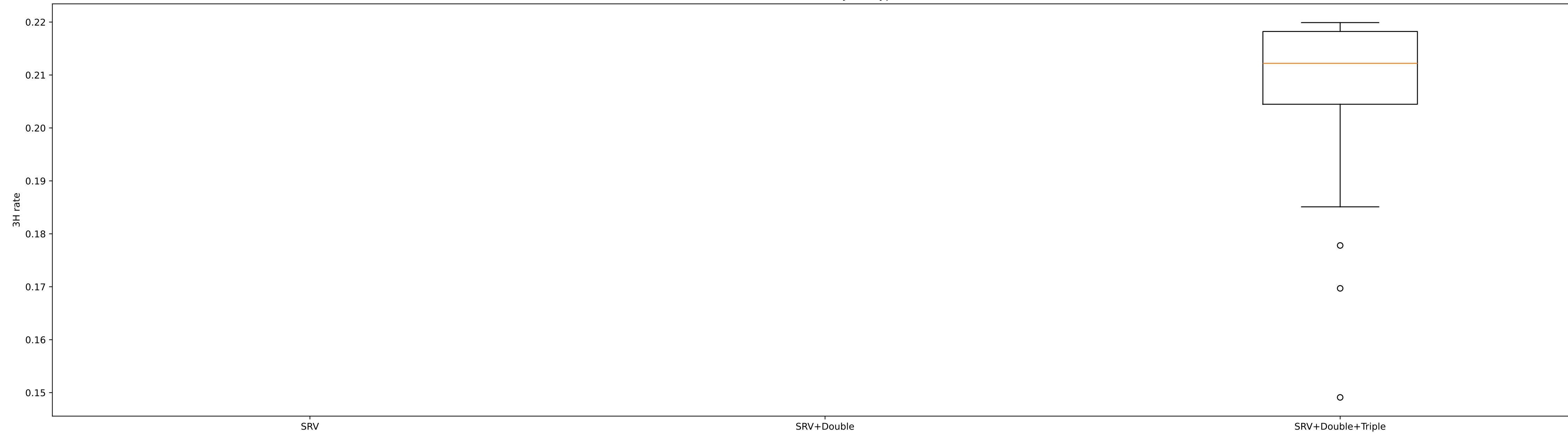
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.7009	1.05	0.2384	0.2268
	2	0.6986	1.05	0.2384	0.2267
	3	0.6987	1.05	0.2386	0.2271
	4	0.6992	1.05	0.2386	0.2271
	5	0.7055	1.04	0.2386	0.2271
	6	0.7009	1.05	0.2378	0.2266
	7	0.7011	1.05	0.2383	0.2266
	8	0.6998	1.05	0.2383	0.2268
	9	0.7016	1.05	0.2383	0.2269
	10	0.7014	1.05	0.2384	0.2266

Replicate-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.6346	1.06	0.2383	0.2269
	2	0.6364	1.06	0.2383	0.2266
	3	0.6394	1.06	0.2384	0.227
	4	0.6369	1.06	0.2384	0.2266
	5	0.6372	1.06	0.2386	0.2273
	6	0.6388	1.06	0.2386	0.2272
	7	0.6364	1.06	0.2387	0.227
	8	0.6344	1.06	0.2378	0.2266
	9	0.6364	1.06	0.2384	0.2268
	10	0.6378	1.06	0.2378	0.2266

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.6191	1.06	0.2385	0.2267
	2	0.617	1.06	0.2384	0.2268
	3	0.6213	1.06	0.2386	0.2272
	4	0.624	1.07	0.2387	0.2273
	5	0.6206	1.06	0.2386	0.2268
	6	0.6196	1.07	0.2383	0.2268
	7	1.0	1.06	0.2384	0.2266
	8	0.6329	1.06	0.2383	0.2265
	9	0.6181	1.06	0.2384	0.2268
	10	0.6191	1.06	0.2386	0.2272

	test	Negative selection	0.171	33.337	SRV+Double
	test	Negative selection	0.209	66.541	SRV+Double
	test	Negative selection	0.189	33.337	SRV+Double
	test	Negative selection	0.229	66.541	SRV+Double
	reference	Diversifying selecting on	Ω-class distributions (all) (cols 1-7/7)		SRV+Double
	reference	Negative selection	0.193	39.867	SRV+Double
	reference	Negative selection	0.227	60.025	SRV+Double
	test	Negative selection	8.198	0.108	SRV+Double
	test	Negative selection	0.193	39.867	SRV+Double
	test	Negative selection	0.227	60.025	SRV+Double
	reference	Diversifying selecting on	8.069	0.105	SRV+Double
	reference	Negative selection	0.202	3.475	SRV+Double
	reference	Negative selection	0.216	96.42	SRV+Double
	test	Diversifying selecting on	9.164	0.105	SRV+Double
	test	Diversifying selecting on	8.069	0.105	SRV+Double
	test	Negative selection	0.184	3.475	SRV+Double
	test	Negative selection	0.197	96.42	SRV+Double
	test	Negative selection	0.202	3.475	SRV+Double
	test	Negative selection	0.216	96.42	SRV+Double
	reference	Diversifying selecting on	7.899	0.114	SRV+Double
	reference	Negative selection	0.213	96.56	SRV+Double
	reference	Negative selection	0.22	3.326	SRV+Double
	test	Diversifying selecting on	7.899	0.114	SRV+Double
	test	Negative selection	0.213	96.56	SRV+Double
	test	Negative selection	0.22	3.326	SRV+Double
	reference	Diversifying selecting on	7.287	0.124	SRV+Double
	reference	Negative selection	0.197	40.371	SRV+Double
	reference	Negative selection	0.228	59.505	SRV+Double
	test	Diversifying selecting on	8.226	0.124	SRV+Double
	test	Diversifying selecting on	7.287	0.124	SRV+Double
	test	Negative selection	0.178	40.371	SRV+Double
	test	Negative selection	0.208	59.505	SRV+Double
	test	Negative selection	0.197	40.371	SRV+Double
	test	Negative selection	0.228	59.505	SRV+Double
	reference	Diversifying selecting on	7.843	0.117	SRV+Double
	reference	Negative selection	0.201	53.987	SRV+Double
	reference	Negative selection	0.228	45.896	SRV+Double
	test	Diversifying selecting on	7.843	0.117	SRV+Double
	test	Negative selection	0.201	53.987	SRV+Double
	test	Negative selection	0.228	45.896	SRV+Double
	reference	Diversifying selecting on	7.449	0.119	SRV+Double
	reference	Negative selection	0.211	80.475	SRV+Double
	reference	Negative selection	0.232	19.406	SRV+Double
	test	Diversifying selecting on	8.404	0.119	SRV+Double
	test	Diversifying selecting on	7.449	0.119	SRV+Double
	test	Negative selection	0.192	80.475	SRV+Double
	test	Negative selection	0.212	19.406	SRV+Double
	test	Negative selection	0.211	80.475	SRV+Double
	test	Negative selection	12	19.406	SRV+Double
	reference	Diversifying selecting on	0.232	0.116	SRV+Double
	reference	Negative selection	7.906	0.116	SRV+Double

SRV rate classes (all) (cols 1-6/6)

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.116	8.264	SRV	
	2	0.862	82.647	SRV	
	3	3.055	9.089	SRV	
	1	0.118	8.342	SRV	
	2	0.863	82.583	SRV	
	3	3.058	9.075	SRV	
	1	0.11	8.04	SRV	
	2	0.86	82.822	SRV	
	3	3.048	9.138	SRV	
SRV	1	0.119	8.394	SRV	
	2	0.863	82.531	SRV	
	3	3.059	9.075	SRV	
	1	0.114	8.187	SRV	
	2	0.862	82.708	SRV	
	3	3.053	9.105	SRV	
	1	0.12	8.423	SRV	
	2	0.863	82.5	SRV	
	3	3.059	9.077	SRV	
SRV	1	0.117	8.336	SRV	
	2	0.863	82.587	SRV	
	3	3.057	9.077	SRV	
	1	0.119	8.376	SRV	
	2	0.863	82.568	SRV	
	3	3.062	9.056	SRV	
	1	0.114	8.207	SRV	
	2	0.862	82.681	SRV	
	3	3.052	9.111	SRV	
SRV	1	0.12	8.438	SRV	
	2	0.864	82.509	SRV	
	3	3.061	9.053	SRV	

	reference		2H	0.1048	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1757	SRV+Double+Triple	
	reference		3H	0.0994	SRV+Double+Triple	
	test		2H	0.1285	SRV+Double+Triple	
	test		3H	0.2178	SRV+Double+Triple	
	reference		2H	0.0476	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1001	SRV+Double+Triple	
	reference		3H	0.0994	SRV+Double+Triple	
	test		2H	0.1123	SRV+Double+Triple	
	test		2H	0.1286	SRV+Double+Triple	
	test		3H	0.2042	SRV+Double+Triple	
	test		3H	0.2179	SRV+Double+Triple	
	reference		2H	0.1036	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1775	SRV+Double+Triple	
	reference		3H	0.0991	SRV+Double+Triple	
	test		2H	0.1282	SRV+Double+Triple	
	test		3H	0.2185	SRV+Double+Triple	
	reference		2H	0.0477	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1	SRV+Double+Triple	
	reference		3H	0.0995	SRV+Double+Triple	
	test		2H	0.1121	SRV+Double+Triple	
	test		2H	0.1286	SRV+Double+Triple	
	test		3H	0.2054	SRV+Double+Triple	
	test		3H	0.2179	SRV+Double+Triple	
	reference		2H	0.1055	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1803	SRV+Double+Triple	
	reference		3H	0.0991	SRV+Double+Triple	
	test		2H	0.1284	SRV+Double+Triple	
	test		3H	0.2194	SRV+Double+Triple	
	reference		2H	0.0476	SRV+Double+Triple	
	reference		2H	0.0466	SRV+Double+Triple	
	reference		3H	0.1001	SRV+Double+Triple	
	reference		3H	0.0995	SRV+Double+Triple	
	test		2H	0.1121	SRV+Double+Triple	
	test		2H	0.1287	SRV+Double+Triple	
	test		3H	0.2045	SRV+Double+Triple	
	test		3H	0.2193	SRV+Double+Triple	
	reference		2H	0.107	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	
	reference		3H	0.1723	SRV+Double+Triple	
	reference		3H	0.0991	SRV+Double+Triple	
	test		2H	0.128	SRV+Double+Triple	
	test		3H	0.2183	SRV+Double+Triple	
	reference		2H	0.0476	SRV+Double+Triple	
	reference		2H	0.0467	SRV+Double+Triple	