

RELAX Combined Report

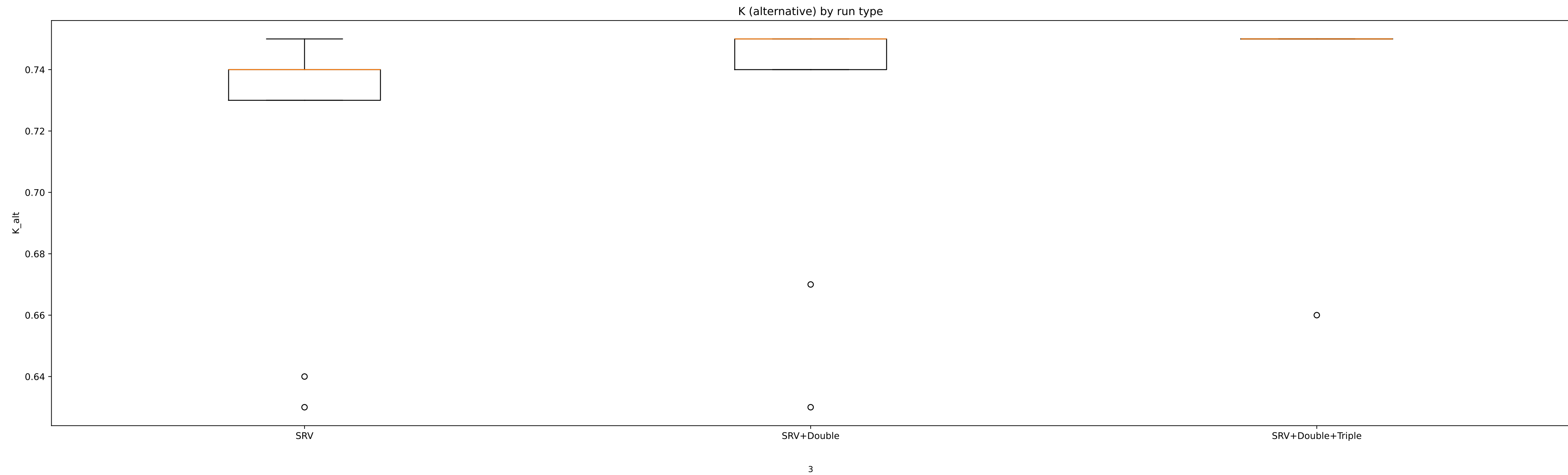
SRV vs SRV+Double vs SRV+Double+Triple

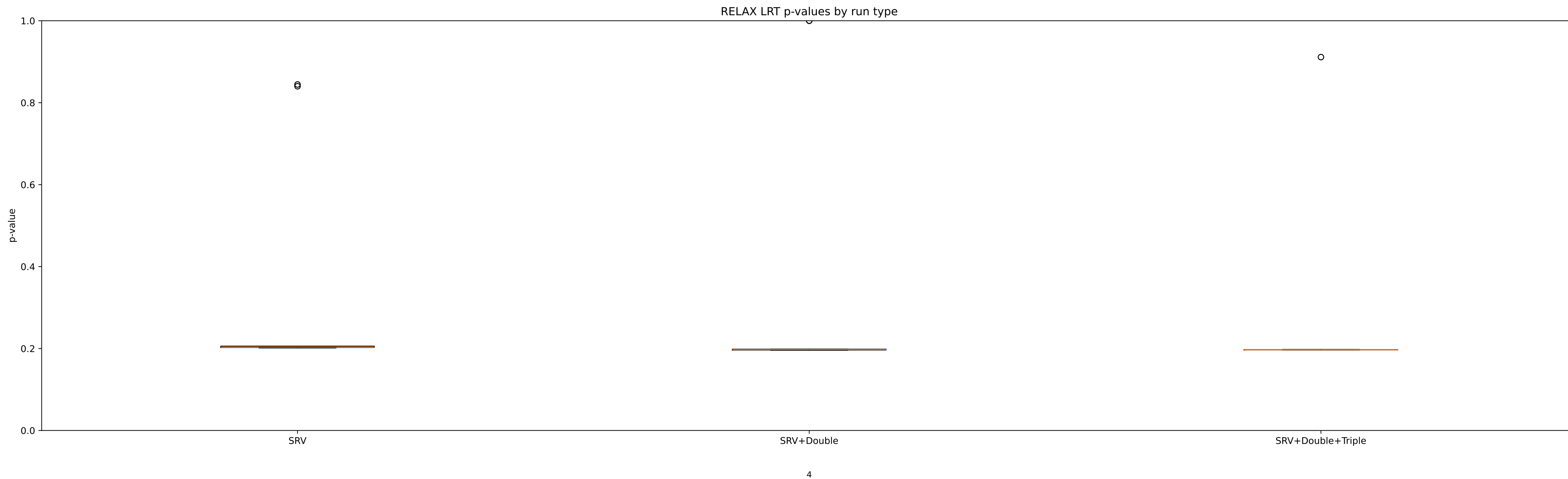
Includes:

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

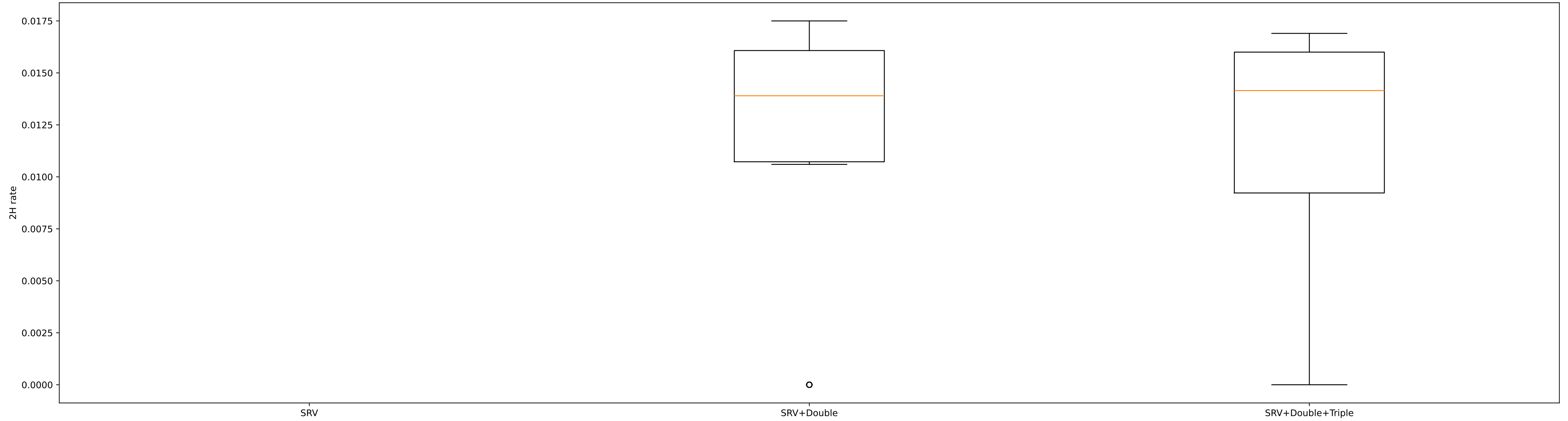
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.2036	0.2015	0.8445	0.74	0.63	0.75	0.1694	0.258	9	nan	nan
0.1976	0.1958	1.0	0.75	0.63	0.75	0.1694	0.258	10	0.0139	0.0
0.197	0.1965	0.9113	0.75	0.66	0.75	0.1694	0.258	10	0.0142	0.0





2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2031	0.74	0.1694	0.258	
	2	0.8401	0.64	0.1694	0.258	
	3	0.2015	0.75	0.1694	0.258	
	4	nan	nan	0.1694	0.258	
	5	0.2043	0.73	0.1694	0.258	
	6	0.2025	0.74	0.1694	0.258	
	7	0.2058	0.73	0.1694	0.258	
	8	0.8445	0.63	0.1694	0.258	
	9	0.2027	0.75	0.1695	0.2585	
	10	0.2036	0.74	0.1694	0.258	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1985	0.75	0.1694	0.258	
	2	1.0	0.63	0.1694	0.258	
	3	1.0	0.67	0.1694	0.258	
	4	0.1984	0.74	0.1694	0.258	
	5	0.1976	0.75	0.1694	0.258	
	6	0.1958	0.75	0.1697	0.2577	
	7	0.1962	0.75	0.1694	0.258	
	8	0.1958	0.75	0.1694	0.258	
	9	0.1971	0.75	0.1694	0.258	
	10	0.1976	0.74	0.1694	0.258	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1977	0.75	0.1694	0.258	
	2	0.1967	0.75	0.1694	0.258	
	3	0.197	0.75	0.1694	0.258	
	4	0.1968	0.75	0.1694	0.258	
	5	0.9113	0.66	0.1694	0.258	
	6	0.197	0.75	0.1694	0.258	
	7	0.1972	0.75	0.1694	0.258	
	8	0.1965	0.75	0.1695	0.2583	
	9	0.1969	0.75	0.1694	0.258	
	10	0.1965	0.75	0.1694	0.258	

		test	Negative selection	0.145	85.634	SRV+Double	
		test	Negative selection	0.299	14.366	SRV+Double	
		reference	Diversifying selection	1.006	0.0	SRV+Double	
		reference	Negative selection	0.148	91.471	SRV+Double	
		reference	Negative selection	0.306	8.529	SRV+Double	
		test	Diversifying selection	1.005	0.0	SRV+Double	
		test	Diversifying selection	1.006	0.0	SRV+Double	
		test	Negative selection	0.24	91.471	SRV+Double	
		test	Negative selection	0.413	8.529	SRV+Double	
		test	Negative selection	0.148	91.471	SRV+Double	
		test	Negative selection	0.306	8.529	SRV+Double	
		reference	Diversifying selection	1.983	0.0	SRV+Double	
		reference	Negative selection	0.155	92.128	SRV+Double	
		reference	Negative selection	0.304	7.872	SRV+Double	
		test	Diversifying selection	1.983	0.0	SRV+Double	
		test	Negative selection	0.155	92.128	SRV+Double	
		test	Negative selection	0.304	7.872	SRV+Double	
		reference	Diversifying selection	7.38	0.0	SRV+Double	
		reference	Negative selection	0.043	0.0	SRV+Double	
		reference	Negative selection	0.161	100.0	SRV+Double	
		test	Diversifying selection	4.49	0.0	SRV+Double	
		test	Diversifying selection	7.38	0.0	SRV+Double	
		test	Negative selection	0.094	0.0	SRV+Double	
		test	Negative selection	0.254	100.0	SRV+Double	
		test	Negative selection	0.043	0.0	SRV+Double	
		test	Negative selection	0.161	100.0	SRV+Double	
		reference	Diversifying selection	1.477	0.0	SRV+Double	
		reference	Negative selection	0.032	0.0	SRV+Double	
		reference	Negative selection	0.167	100.0	SRV+Double	
		test	Diversifying selection	1.477	0.0	SRV+Double	
		test	Negative selection	0.032	0.0	SRV+Double	
		test	Negative selection	0.167	100.0	SRV+Double	
		reference	Diversifying selection	4.676	0.0	SRV+Double	
		reference	Negative selection	0.078	8.44	SRV+Double	
		reference	Negative selection	0.169	91.56	SRV+Double	
		test	Diversifying selection	3.179	0.0	SRV+Double	
		test	Diversifying selection	4.676	0.0	SRV+Double	
		test	Negative selection	0.148	8.44	SRV+Double	
		test	Negative selection	0.264	91.56	SRV+Double	
		test	Negative selection	0.078	8.44	SRV+Double	
		test	Negative selection	0.169	91.56	SRV+Double	
		reference	Diversifying selection	1.273	0.0	SRV+Double	
		reference	Negative selection	0.087	10.228	SRV+Double	
		reference	Negative selection	0.176	89.772	SRV+Double	
		test	Diversifying selection	1.273	0.0	SRV+Double	
		test	Negative selection	0.087	10.228	SRV+Double	
		test	Negative selection	0.176	89.772	SRV+Double	
		reference	Diversifying selection	7.124	0.0	SRV+Double	
		reference	Negative selection	0.159	87.951	SRV+Double	
			Negative selection	0.155	92.128	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.281	28.811	SRV	
	2	0.446	28.282	SRV	
	3	1.848	42.907	SRV	
	1	0.289	29.968	SRV	
	2	0.435	26.826	SRV	
	3	1.844	43.206	SRV	
	1	0.281	25.771	SRV	
	2	0.426	31.231	SRV	
	3	1.848	42.999	SRV	
	1	0.273	26.977	SRV	
	2	0.443	30.131	SRV	
	3	1.849	42.893	SRV	
	1	0.29	33.455	SRV	
	2	0.469	23.796	SRV	
	3	1.851	42.749	SRV	
	1	0.287	30.519	SRV	
	2	0.445	26.421	SRV	
	3	1.846	43.06	SRV	
	1	0.289	32.391	SRV	
	2	0.456	24.607	SRV	
	3	1.847	43.002	SRV	
	1	0.28	31.25	SRV	
	2	0.468	26.051	SRV	
	3	1.851	42.698	SRV	
	1	0.29	30.716	SRV	
	2	0.441	26.171	SRV	
	3	1.845	43.113	SRV	

	reference	2H	0.0	SRV+Double	
	reference	2H	0.0141	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0115	SRV+Double	
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	SRV+Double	
	test	2H		SRV+Double	
	reference	2H		SRV+Double+Triple	
	reference	2H	0.0149	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0123	SRV+Double+Triple	
	reference	2H	0.016	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	2H	0.0156	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0132	SRV+Double+Triple	
	reference	2H	0.016	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	2H	0.0153	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0129	SRV+Double+Triple	
	reference	2H	0.0165	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	2H	0.015	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0126	SRV+Double+Triple	
	reference	2H	0.0152	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	2H	0.0127	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	