

RELAX Combined Report

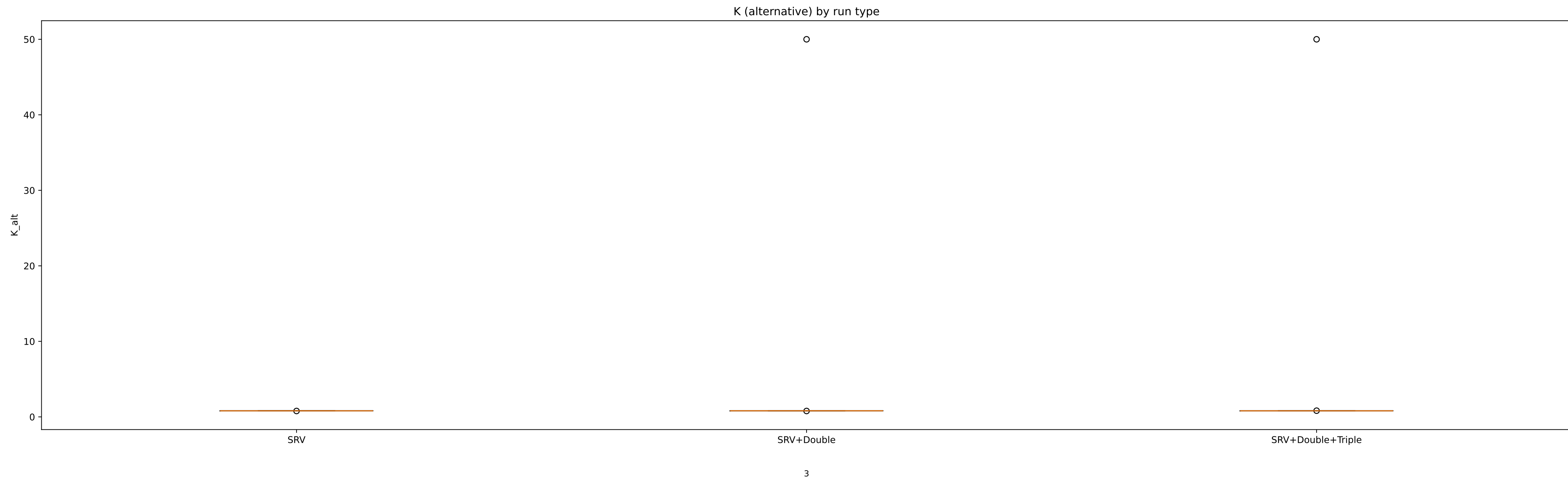
SRV vs SRV+Double vs SRV+Double+Triple

Includes:

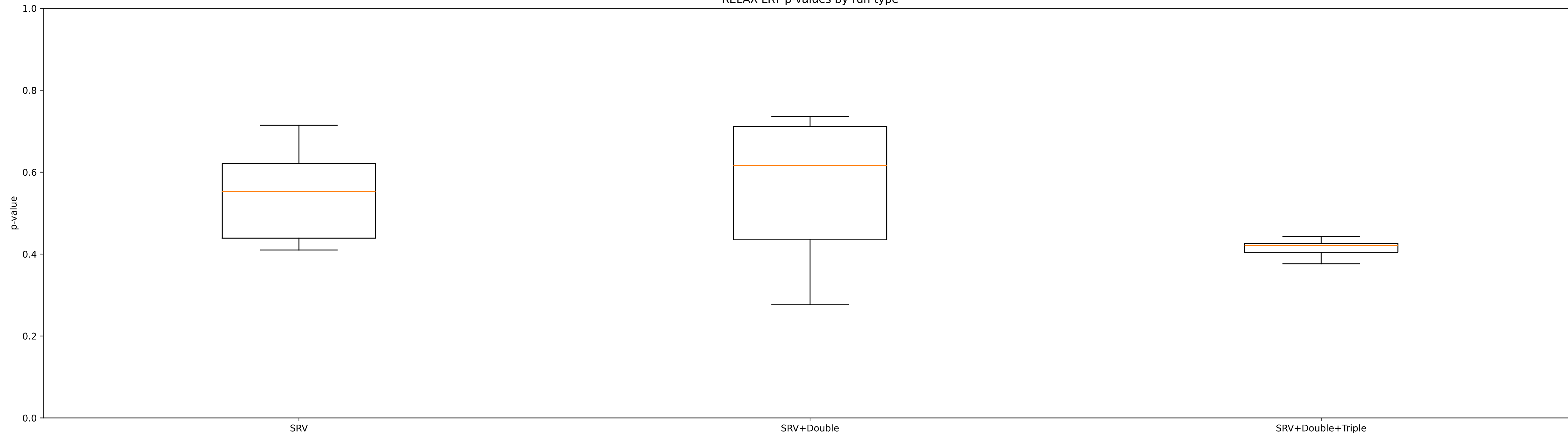
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.5528	0.41	0.7147	0.8	0.78	0.82	0.2302	0.2808	10	nan	nan
0.6163	0.2763	0.7359	0.805	0.78	50.0	0.2302	0.2808	10	0.0	0.0
0.4207	0.3764	0.4433	0.8	0.8	50.0	0.2302	0.2808	10	0.0	0.0



RELAX LRT p-values by run type

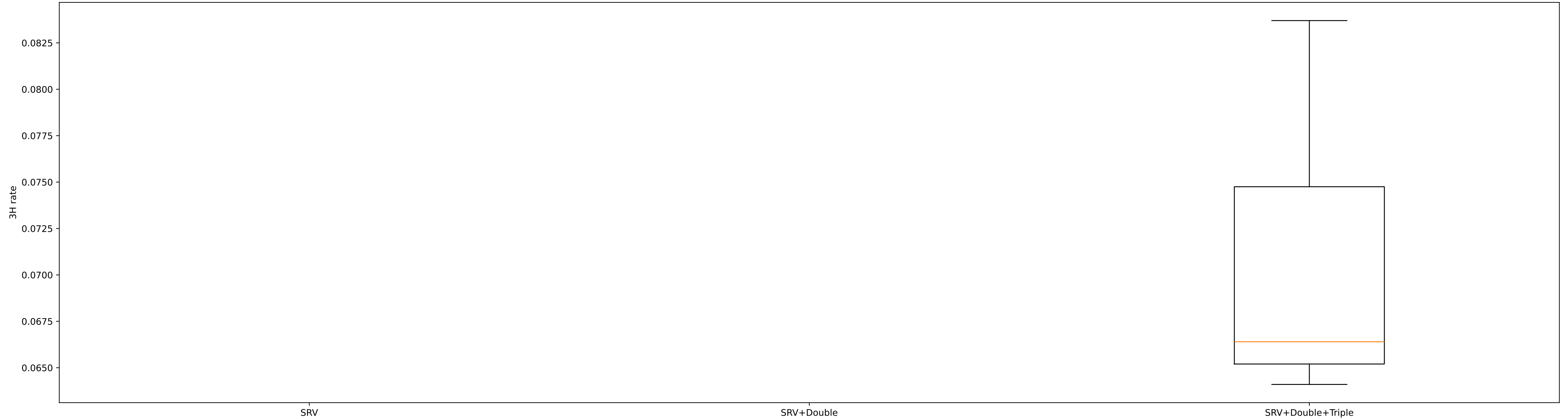


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.41	0.8	0.2302	0.2808	
	2	0.4377	0.81	0.2302	0.2808	
	3	0.7147	0.81	0.2302	0.2808	
	4	0.6252	0.8	0.2302	0.2808	
	5	0.5055	0.82	0.2302	0.2808	
	6	0.6492	0.8	0.2302	0.2808	
	7	0.4162	0.81	0.2302	0.2808	
	8	0.6002	0.8	0.2302	0.2808	
	9	0.6078	0.8	0.2302	0.2808	
	10	0.4423	0.78	0.2302	0.2808	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4429	0.78	0.2302	0.2808	
	2	0.6117	0.8	0.2302	0.2808	
	3	0.4321	0.79	0.2302	0.2808	
	4	0.6209	0.8	0.2302	0.2808	
	5	0.698	0.81	0.2302	0.2808	
	6	0.7159	0.81	0.2302	0.2808	
	7	0.4162	0.8	0.2302	0.2808	
	8	0.7326	0.81	0.2302	0.2808	
	9	0.2763	50.0	0.2302	0.2808	
	10	0.7359	0.81	0.2302	0.2808	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3818	50.0	0.2302	0.2808	
	2	0.4433	0.8	0.2302	0.2808	
	3	0.3764	0.82	0.2302	0.2808	
	4	0.4356	0.8	0.2302	0.2808	
	5	0.4259	0.8	0.2302	0.2808	
	6	0.4225	0.8	0.2303	0.2805	
	7	0.4189	0.8	0.2302	0.2808	
	8	0.4264	0.8	0.2302	0.2808	
	9	0.3999	0.81	0.2302	0.2808	
	10	0.4184	0.8	0.2302	0.2808	

		test	Negative s election	0.003	23.72	SRV+Double	
		test	Negative s election	0.236	70.016	SRV+Double	
		test	Neutral evolution	1.0	6.265	SRV+Double	
		test	Neutral evolution	1.0	6.265	SRV+Double	
		reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)	0.0	SRV+Double	
		reference	Negative s election		43.968	SRV+Double	
		reference	Negative s election		56.032	SRV+Double	
		test	Diversifying selection		0.0	SRV+Double	
		test	Negative s election		43.968	SRV+Double	
		test	Negative s election		56.032	SRV+Double	
		reference	Negative s election		9.696	SRV+Double	
		reference	Negative s election	0.18	82.293	SRV+Double	
		reference	Neutral evolution	1.0	8.012	SRV+Double	
		test	Negative s election	0.015	9.696	SRV+Double	
		test	Negative s election	0.25	82.293	SRV+Double	
		test	Negative s election	0.005	9.696	SRV+Double	
		test	Negative s election	0.18	82.293	SRV+Double	
		test	Neutral evolution	1.0	8.012	SRV+Double	
		test	Neutral evolution	1.0	8.012	SRV+Double	
		reference	Diversifying selection	1.077	0.0	SRV+Double	
		reference	Negative s election	0.0	41.755	SRV+Double	
		reference	Negative s election	0.398	58.245	SRV+Double	
		test	Diversifying selection	1.077	0.0	SRV+Double	
		test	Negative s election	0.0	41.755	SRV+Double	
		test	Negative s election	0.398	58.245	SRV+Double	
		reference	Negative s election	0.006	6.443	SRV+Double	
		reference	Negative s election	0.17	85.212	SRV+Double	
		reference	Neutral evolution	1.0	8.345	SRV+Double	
		test	Negative s election	0.016	6.443	SRV+Double	
		test	Negative s election	0.238	85.212	SRV+Double	
		test	Negative s election	0.006	6.443	SRV+Double	
		test	Negative s election	0.17	85.212	SRV+Double	
		test	Neutral evolution	1.0	8.345	SRV+Double	
		test	Neutral evolution	1.0	8.345	SRV+Double	
		reference	Diversifying selection	1.077	0.0	SRV+Double	
		reference	Negative s election	0.0	41.755	SRV+Double	
		reference	Negative s election	0.398	58.245	SRV+Double	
		test	Diversifying selection	1.077	0.0	SRV+Double	
		test	Negative s election	0.0	41.755	SRV+Double	
		test	Negative s election	0.398	58.245	SRV+Double	
		reference	Diversifying selection	1.002	0.0	SRV+Double	
		reference	Negative s election	0.072	66.943	SRV+Double	
		reference	Negative s election	0.547	33.057	SRV+Double	
		test	Diversifying selection	1.001	0.0	SRV+Double	
		test	Diversifying selection	1.002	0.0	SRV+Double	
		test	Negative s election	0.123	66.943	SRV+Double	
		test	Negative s election	0.618	33.057	SRV+Double	
		test	Negative s election	0.072	66.943	SRV+Double	
		test	Negative s election	12 0.547	33.057	SRV+Double	
		reference	Diversifying selection	1.074	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	10.088	SRV	
	2	0.94	78.44	SRV	
	3	2.287	11.472	SRV	
	1	0.0	10.103	SRV	
	2	0.941	78.408	SRV	
	3	2.283	11.489	SRV	
	1	0.0	10.138	SRV	
	2	0.945	79.047	SRV	
	3	2.34	10.815	SRV	
	1	0.0	10.123	SRV	
	2	0.943	78.804	SRV	
	3	2.318	11.074	SRV	
	1	0.0	10.134	SRV	
	2	0.944	78.749	SRV	
	3	2.308	11.117	SRV	
	1	0.0	10.122	SRV	
	2	0.943	78.809	SRV	
	3	2.318	11.069	SRV	
	1	0.0	10.133	SRV	
	2	0.943	78.596	SRV	
	3	2.298	11.271	SRV	
	1	0.0	10.11	SRV	
	2	0.942	78.7	SRV	
	3	2.31	11.189	SRV	
	1	0.0	10.107	SRV	
	2	0.942	78.683	SRV	
	3	2.308	11.21	SRV	
	1	0.0	10.102	SRV	
	2	0.942	78.66	SRV	
	3	2.305	11.238	SRV	

	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0664	SRV+Double+Triple	
	reference	3H	0.065	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	3H	0.0816	SRV+Double+Triple	
	reference	3H	0.0679	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	3H	0.0662	SRV+Double+Triple	
	reference	3H	0.0658	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	3H	0.0837	SRV+Double+Triple	
	reference	3H	0.0664	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	3H	0.0661	SRV+Double+Triple	
	reference	3H	0.0653	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	3H	0.0818	SRV+Double+Triple	
	reference	3H	0.0669	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	3H	0.0651	SRV+Double+Triple	
	reference	3H	0.0656	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	3H	0.0819	SRV+Double+Triple	
	reference	3H	0.067	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	3H	0.065	SRV+Double+Triple	
	reference	3H	0.0652	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	3H	0.0816	SRV+Double+Triple	
	reference	3H	0.0671	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	