

# RELAX Combined Report

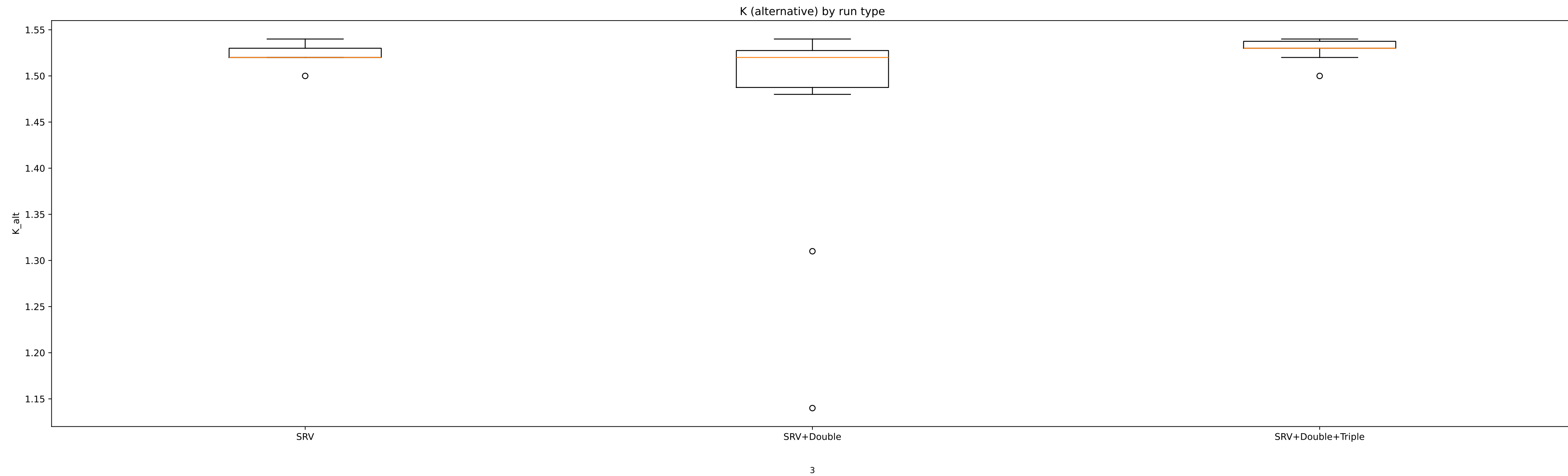
SRV vs SRV+Double vs SRV+Double+Triple

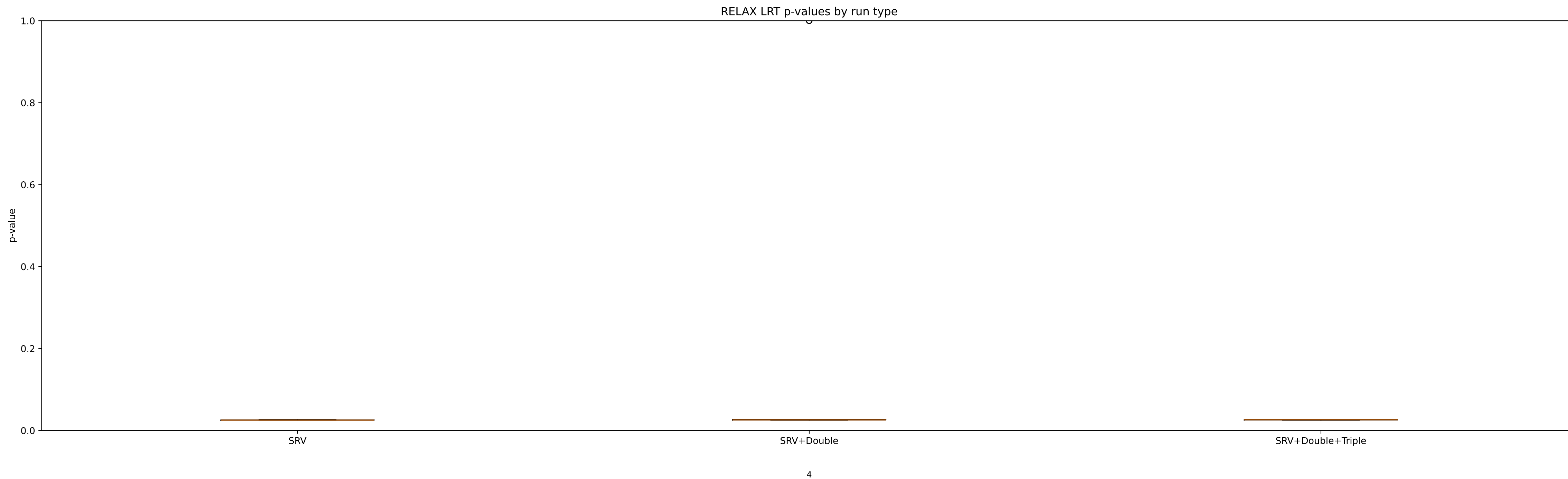
Includes:

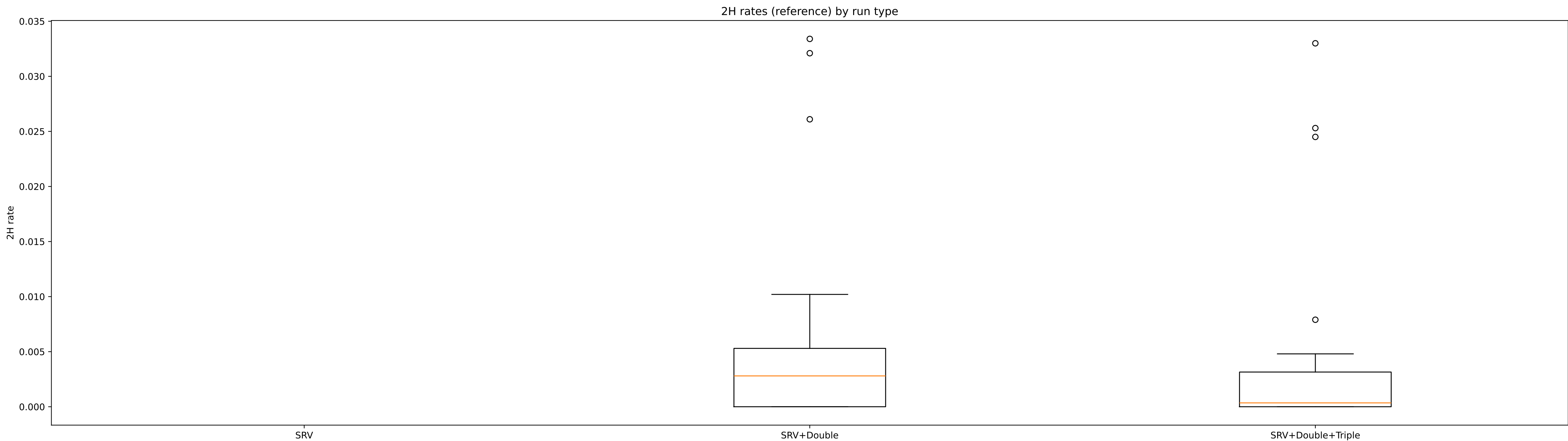
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.0255	0.0253	0.0261	1.52	1.5	1.54	0.1857	0.0826	10	nan	nan
0.0257	0.0254	1.0	1.52	1.14	1.54	0.1857	0.0826	10	0.0028	0.0
0.0258	0.0254	0.0261	1.53	1.5	1.54	0.1857	0.0826	10	0.0004	0.0









3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0254	1.52	0.1857	0.0826	
	2	0.0254	1.52	0.1857	0.0826	
	3	0.0255	1.52	0.1857	0.0826	
	4	0.0255	1.52	0.1857	0.0826	
	5	0.0259	1.54	0.1857	0.0826	
	6	0.0261	1.5	0.1857	0.0826	
	7	0.0259	1.54	0.1857	0.0826	
	8	0.0255	1.53	0.1857	0.0826	
	9	0.0253	1.52	0.1857	0.0826	
	10	0.0255	1.53	0.1857	0.0826	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0254	1.52	0.1857	0.0826	
	2	1.0	1.14	0.1857	0.0826	
	3	0.0257	1.52	0.1857	0.0826	
	4	0.0257	1.53	0.1858	0.0827	
	5	1.0	1.31	0.1857	0.0826	
	6	0.026	1.54	0.1857	0.0829	
	7	0.0256	1.53	0.1857	0.0826	
	8	0.0257	1.51	0.1857	0.0826	
	9	0.0262	1.48	0.1857	0.0826	
	10	0.0256	1.52	0.1857	0.0826	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0258	1.53	0.1857	0.0826	
	2	0.0261	1.5	0.1857	0.0826	
	3	0.0254	1.52	0.1857	0.0826	
	4	0.026	1.54	0.1857	0.0826	
	5	0.0258	1.53	0.1857	0.0826	
	6	0.0255	1.53	0.1857	0.0826	
	7	0.0258	1.53	0.1857	0.0826	
	8	0.0261	1.54	0.1857	0.0826	
	9	0.026	1.54	0.1857	0.0826	
	10	0.0256	1.53	0.1857	0.0826	

	test	Negative s election	0.059	93.129	SRV+Double	
	test	Negative s election	0.31	6.65	SRV+Double	
	test	Negative s election	0.156	93.129	SRV+Double	
	test	Negative s election	0.464	6.65	SRV+Double	
	reference	Diversifyi ng selecti on	0.0	0.0	SRV+Double	
	reference	Negative s election	0.149	93.229	SRV+Double	
	reference	Negative s election	0.43	6.771	SRV+Double	
	test	Diversifyi ng selecti on	1.006	0.0	SRV+Double	
	test	Negative s election	0.149	93.229	SRV+Double	
	test	Negative s election	0.43	6.771	SRV+Double	
	reference	Diversifyi ng selecti on	1.069	0.472	SRV+Double	
	reference	Negative s election	0.152	87.018	SRV+Double	
	reference	Negative s election	0.342	12.51	SRV+Double	
	test	Diversifyi ng selecti on	1.092	0.472	SRV+Double	
	test	Diversifyi ng selecti on	1.069	0.472	SRV+Double	
	test	Negative s election	0.0	12.51	SRV+Double	
	test	Negative s election	0.085	87.018	SRV+Double	
	test	Negative s election	0.152	87.018	SRV+Double	
	test	Negative s election	0.342	12.51	SRV+Double	
	reference	Negative s election	0.122	61.433	SRV+Double	
	reference	Negative s election	0.264	38.176	SRV+Double	
	reference	Neutral ev olution	1.0	0.391	SRV+Double	
	test	Negative s election	0.122	61.433	SRV+Double	
	test	Negative s election	0.264	38.176	SRV+Double	
	test	Neutral ev olution	1.0	0.391	SRV+Double	
	reference	Negative s election	0.033	21.073	SRV+Double	
	reference	Negative s election	0.216	78.66	SRV+Double	
	reference	Neutral ev olution	1.0	0.267	SRV+Double	
	test	Negative s election	0.005	21.073	SRV+Double	
	test	Negative s election	0.095	78.66	SRV+Double	
	test	Negative s election	0.033	21.073	SRV+Double	
	test	Negative s election	0.216	78.66	SRV+Double	
	test	Neutral ev olution	1.0	0.267	SRV+Double	
	test	Neutral ev olution	1.0	0.267	SRV+Double	
	reference	Diversifyi ng selecti on	1.011	0.0	SRV+Double	
	reference	Negative s election	0.029	22.875	SRV+Double	
	reference	Negative s election	0.21	77.125	SRV+Double	
	test	Diversifyi ng selecti on	1.011	0.0	SRV+Double	
	test	Negative s election	0.029	22.875	SRV+Double	
	test	Negative s election	0.21	77.125	SRV+Double	
	reference	Diversifyi ng selecti on	1.052	0.742	SRV+Double	
	reference	Negative s election	0.159	94.139	SRV+Double	
	reference	Negative s election	0.418	5.119	SRV+Double	
	test	Diversifyi ng selecti on	1.08	0.742	SRV+Double	
	test	Diversifyi ng selecti on	1.052	0.742	SRV+Double	
	test	Negative s election	0.061	94.139	SRV+Double	
	test	Negative s election	0.264	5.119	SRV+Double	
	test	Negative s election	0.159	94.139	SRV+Double	
	test	Negative s election	0.418	5.119	SRV+Double	
	reference	Negative s election	0.153	94.752	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.264	28.465	SRV	
	2	0.468	28.807	SRV	
	3	1.849	42.728	SRV	
	1	0.259	34.139	SRV	
	2	0.565	24.342	SRV	
	3	1.864	41.518	SRV	
	1	0.265	24.463	SRV	
	2	0.433	32.447	SRV	
	3	1.844	43.09	SRV	
	1	0.285	31.509	SRV	
	2	0.455	25.399	SRV	
	3	1.844	43.092	SRV	
	1	0.295	33.453	SRV	
	2	0.447	23.198	SRV	
	3	1.84	43.349	SRV	
	1	0.304	32.405	SRV	
	2	0.423	24.139	SRV	
	3	1.839	43.456	SRV	
	1	0.279	31.023	SRV	
	2	0.463	26.02	SRV	
	3	1.846	42.957	SRV	
	1	0.245	32.257	SRV	
	2	0.572	26.631	SRV	
	3	1.87	41.112	SRV	
	1	0.254	28.753	SRV	
	2	0.489	28.769	SRV	
	3	1.851	42.478	SRV	
	1	0.276	30.186	SRV	
	2	0.462	26.875	SRV	
	3	1.846	42.94	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0073	SRV+Double	
	reference	2H	0.0028	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	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	0.0017	SRV+Double+Triple	
	reference	2H	0.0004	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	0.0033	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	0.0079	SRV+Double+Triple	
	reference	2H	0.0033	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	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0031	SRV+Double+Triple	
	reference	2H	0.0029	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	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0048	SRV+Double+Triple	
	reference	2H	0.0008	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	0.0245	SRV+Double+Triple	
	reference	2H	0.0	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	3H	0.0	SRV+Double+Triple	