

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

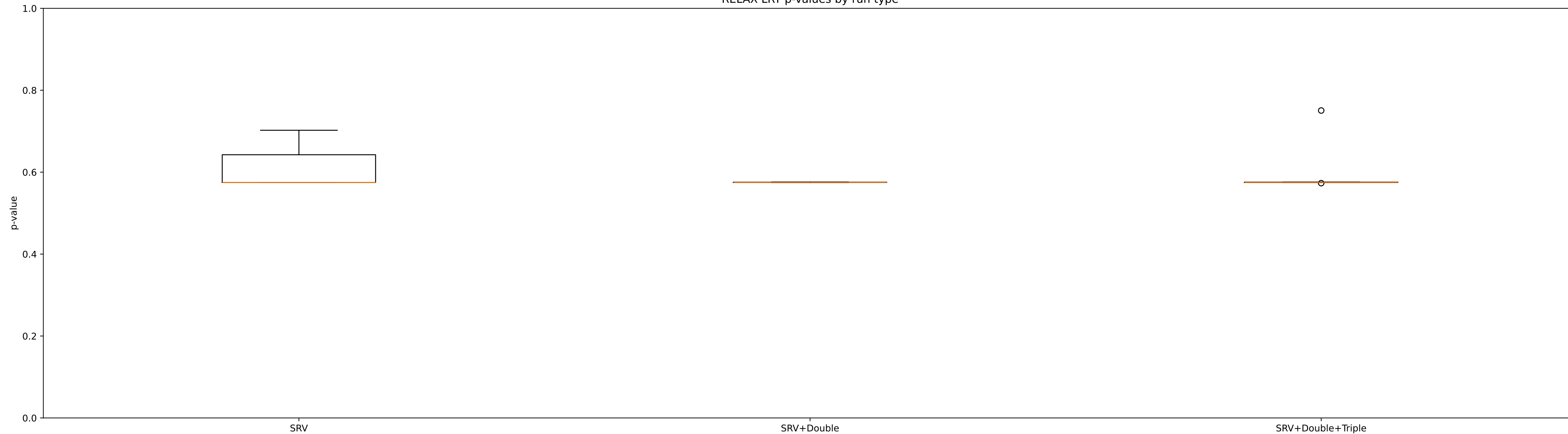
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.575	0.5747	0.7023	0.8	0.78	0.8	0.224	0.2661	10	nan	nan
0.5752	0.5746	0.5761	0.8	0.8	0.8	0.224	0.2661	10	0.0	0.0
0.5751	0.5732	0.7505	0.8	0.73	0.8	0.224	0.2661	10	0.0	0.0

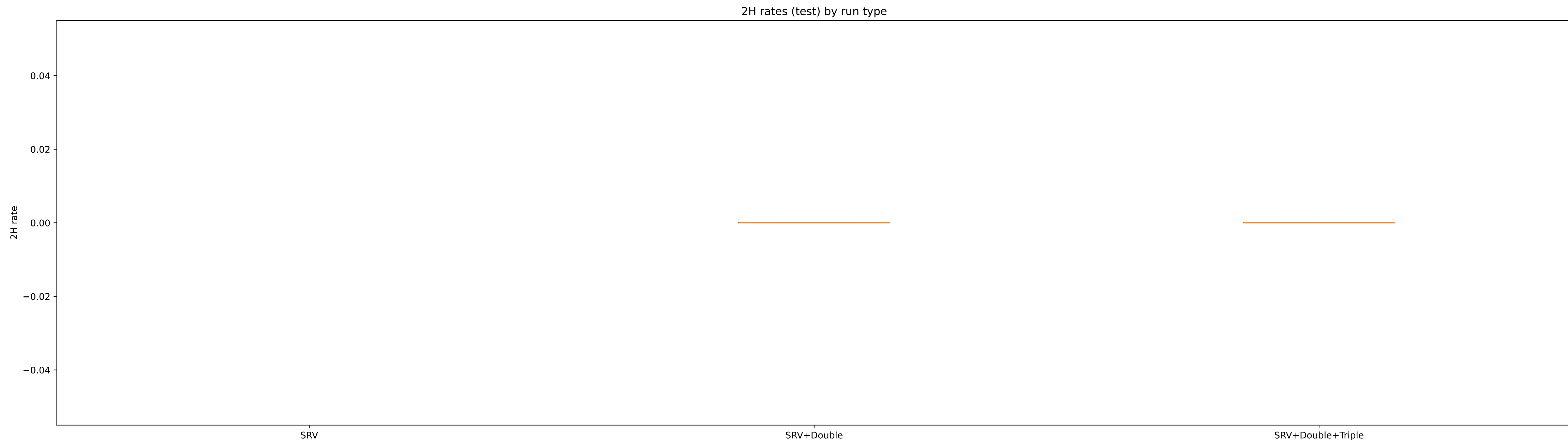


RELAX LRT p-values by run type

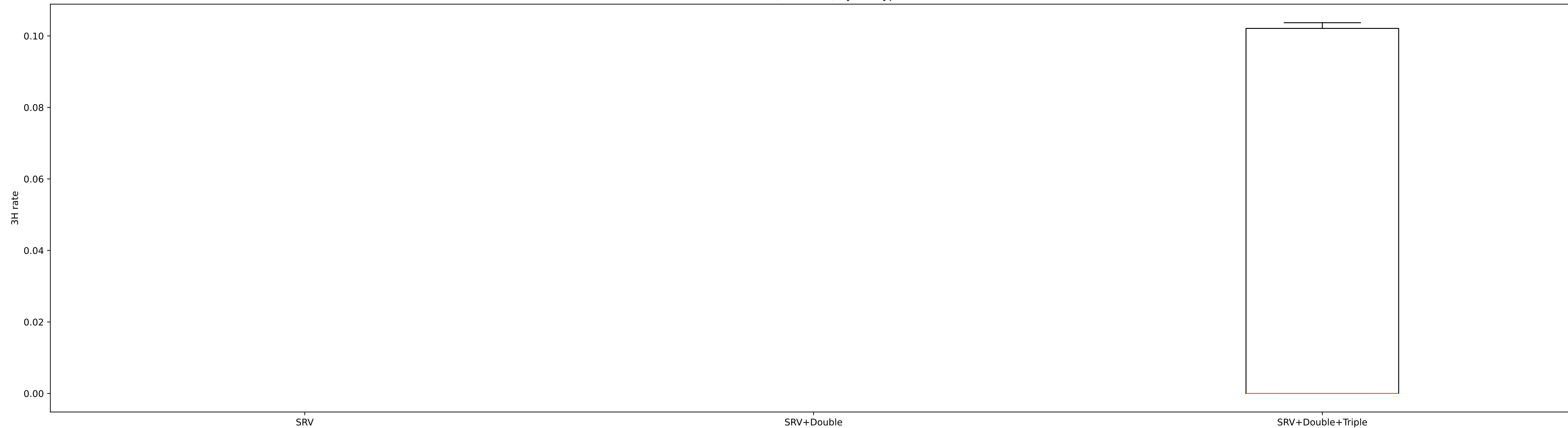


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5747	0.79	0.224	0.2661	
	2	0.5747	0.8	0.224	0.2661	
	3	0.5751	0.8	0.224	0.2661	
	4	0.575	0.8	0.224	0.2661	
	5	0.7023	0.78	0.224	0.2661	
	6	0.7022	0.79	0.224	0.2661	
	7	0.5748	0.8	0.224	0.2661	
	8	0.5748	0.8	0.224	0.2661	
	9	0.665	0.79	0.224	0.2661	
	10	0.5752	0.8	0.224	0.2661	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5752	0.8	0.224	0.2661	
	2	0.5746	0.8	0.224	0.2661	
	3	0.5749	0.8	0.224	0.2661	
	4	0.5757	0.8	0.224	0.2661	
	5	0.5751	0.8	0.224	0.2661	
	6	0.5749	0.8	0.224	0.2661	
	7	0.5758	0.8	0.224	0.2661	
	8	0.5746	0.8	0.224	0.2661	
	9	0.5761	0.8	0.224	0.2661	
	10	0.5754	0.8	0.224	0.2661	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5751	0.8	0.224	0.2661	
	2	0.5759	0.8	0.224	0.2661	
	3	0.5748	0.8	0.224	0.2661	
	4	0.5732	0.79	0.224	0.2661	
	5	0.5746	0.8	0.224	0.2661	
	6	0.5751	0.8	0.224	0.2661	
	7	0.5752	0.8	0.224	0.2661	
	8	0.5747	0.8	0.224	0.2661	
	9	0.576	0.8	0.224	0.2661	
	10	0.7505	0.73	0.224	0.2661	

	test	Negative s election	0.275	16.984	SRV+Double	
	test	Negative s election	0.283	82.782	SRV+Double	
	test	Negative s election	0.198	16.984	SRV+Double	
	test	Negative s election	0.205	82.782	SRV+Double	
	reference	Diversifyi ng selecti on	0.239	0.239	SRV+Double	
	reference	Negative s election	0.202	17.386	SRV+Double	
	reference	Negative s election	0.207	82.375	SRV+Double	
	test	Diversifyi ng selecti on	12.419	0.239	SRV+Double	
	test	Negative s election	0.202	17.386	SRV+Double	
	test	Negative s election	0.207	82.375	SRV+Double	
	reference	Diversifyi ng selecti on	12.836	0.233	SRV+Double	
	reference	Negative s election	0.199	0.611	SRV+Double	
	reference	Negative s election	0.204	99.156	SRV+Double	
	test	Diversifyi ng selecti on	7.647	0.233	SRV+Double	
	test	Diversifyi ng selecti on	12.836	0.233	SRV+Double	
	test	Negative s election	0.277	0.611	SRV+Double	
	test	Negative s election	0.282	99.156	SRV+Double	
	test	Negative s election	0.199	0.611	SRV+Double	
	test	Negative s election	0.204	99.156	SRV+Double	
	reference	Diversifyi ng selecti on	12.436	0.239	SRV+Double	
	reference	Negative s election	0.206	99.137	SRV+Double	
	reference	Negative s election	0.215	0.624	SRV+Double	
	test	Diversifyi ng selecti on	12.436	0.239	SRV+Double	
	test	Negative s election	0.206	99.137	SRV+Double	
	test	Negative s election	0.215	0.624	SRV+Double	
	reference	Diversifyi ng selecti on	12.555	0.239	SRV+Double	
	reference	Negative s election	0.203	98.315	SRV+Double	
	reference	Negative s election	0.214	1.446	SRV+Double	
	test	Diversifyi ng selecti on	7.51	0.239	SRV+Double	
	test	Diversifyi ng selecti on	12.555	0.239	SRV+Double	
	test	Negative s election	0.281	98.315	SRV+Double	
	test	Negative s election	0.293	1.446	SRV+Double	
	test	Negative s election	0.203	98.315	SRV+Double	
	test	Negative s election	0.214	1.446	SRV+Double	
	reference	Diversifyi ng selecti on	12.374	0.241	SRV+Double	
	reference	Negative s election	0.206	98.167	SRV+Double	
	reference	Negative s election	0.208	1.592	SRV+Double	
	test	Diversifyi ng selecti on	12.374	0.241	SRV+Double	
	test	Negative s election	0.206	98.167	SRV+Double	
	test	Negative s election	0.208	1.592	SRV+Double	
	reference	Diversifyi ng selecti on	12.651	0.237	SRV+Double	
	reference	Negative s election	0.204	98.549	SRV+Double	
	reference	Negative s election	0.206	1.213	SRV+Double	
	test	Diversifyi ng selecti on	7.555	0.237	SRV+Double	
	test	Diversifyi ng selecti on	12.651	0.237	SRV+Double	
	test	Negative s election	0.281	98.549	SRV+Double	
	test	Negative s election	0.284	1.213	SRV+Double	
	test	Negative s election	0.204	98.549	SRV+Double	
	test	Negative s election	12.026	1.213	SRV+Double	
	reference	Diversifyi ng selecti on	12.478	0.238	SRV+Double	

Ω-class distributions (all) (cols 1-7/7)

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.887	12.031	SRV	
	2	0.889	86.195	SRV	
	3	7.17	1.775	SRV	
	1	0.888	98.221	SRV	
	2	0.956	0.0	SRV	
	3	7.166	1.779	SRV	
	1	0.888	98.217	SRV	
	2	1.093	0.0	SRV	
	3	7.156	1.783	SRV	
	1	0.888	98.221	SRV	
	2	1.088	0.0	SRV	
	3	7.163	1.779	SRV	
	1	0.886	15.114	SRV	
	2	0.889	83.114	SRV	
	3	7.191	1.772	SRV	
	1	0.888	89.352	SRV	
	2	0.89	8.877	SRV	
	3	7.199	1.772	SRV	
	1	0.888	98.22	SRV	
	2	7.126	0.002	SRV	
	3	7.157	1.778	SRV	
	1	0.887	8.866	SRV	
	2	0.889	89.362	SRV	
	3	7.173	1.772	SRV	
	1	0.888	98.222	SRV	
	2	1.348	0.0	SRV	
	3	7.178	1.778	SRV	
	1	0.887	14.544	SRV	
	2	0.889	83.685	SRV	
	3	7.173	1.772	SRV	

	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1032	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	0.0	SRV+Double+Triple	
	reference	3H	0.1037	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	0.0	SRV+Double+Triple	
	reference	3H	0.1031	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	0.0	SRV+Double+Triple	
	reference	3H	0.1022	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	0.0	SRV+Double+Triple	
	reference	3H	0.1031	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	0.1033	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	