RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
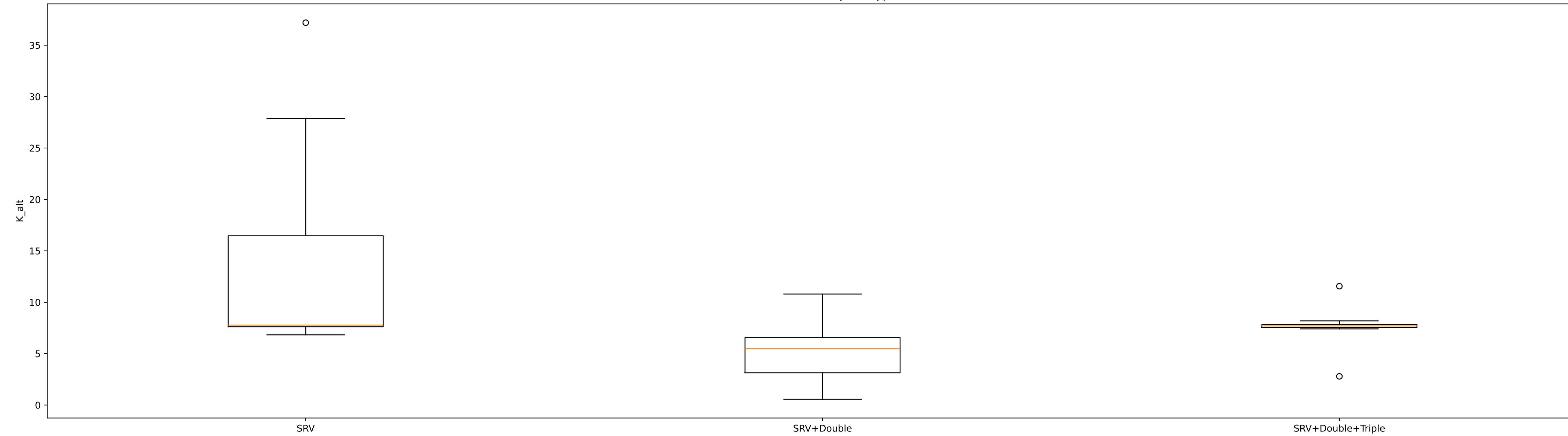
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

- Full omega/SRV/multihit tables (column-paged)
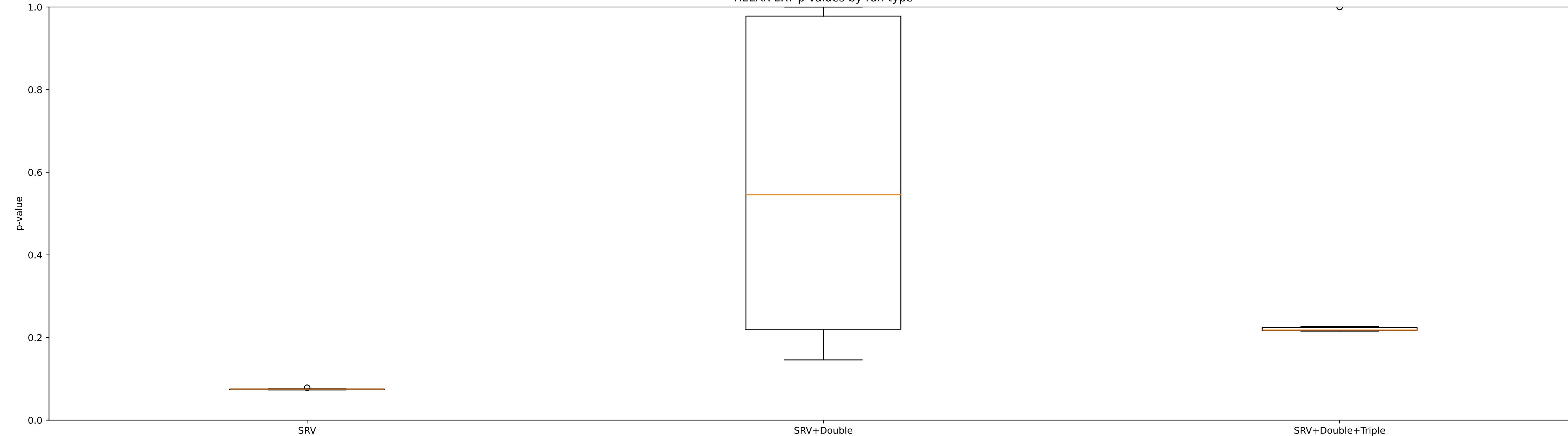
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.0751	0.073	0.0784	7.78	6.83	37.19	0.2691	0.369	9	nan	nan
0.5454	0.1457	1.0	5.48	0.57	10.8	0.2691	0.369	10	0.0	0.275
0.218	0.2155	1.0	7.695	2.79	11.56	0.2691	0.369	10	0.0	0.0

K (alternative) by run type
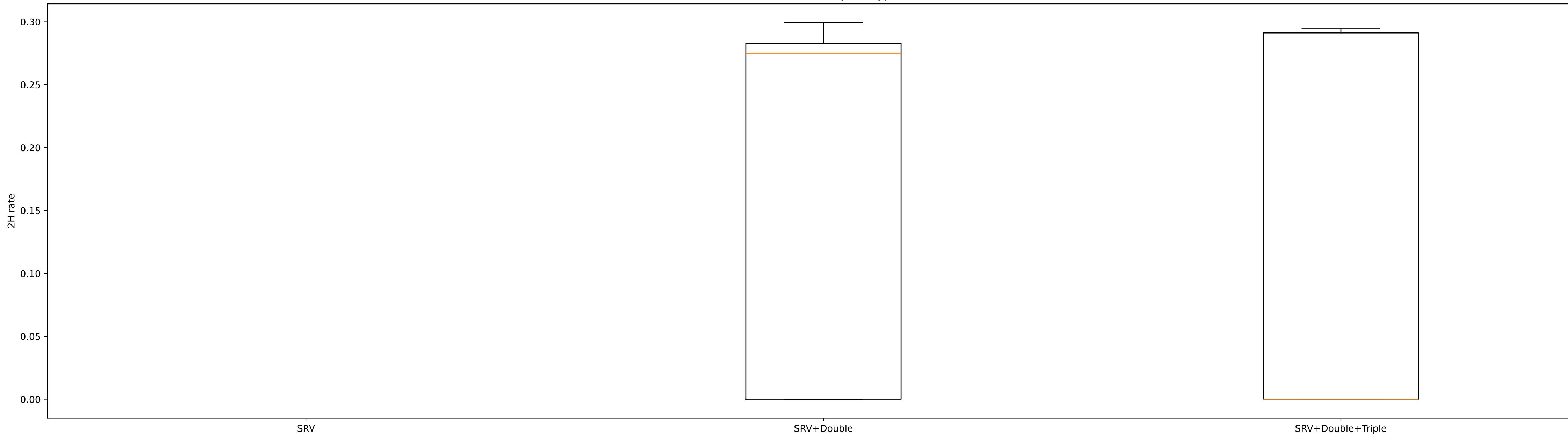
RELAX LRT p-values by run type

2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

3H rate

SRV   SRV+Double   SRV+Double+Triple

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	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.0784	7.44	0.2691	0.369	
	2		0.0745	7.62	0.2691	0.369	
	3		0.073	16.46	0.2691	0.369	
	4		0.0751	7.76	0.2691	0.369	
	5		nan	nan	0.2691	0.369	
	6		0.074	27.87	0.2691	0.369	
	7		0.0755	37.19	0.2691	0.369	
	8		0.0741	10.33	0.2691	0.369	
	9	0.3696	0.0751	7.78	0.2689	0.3696	
	10		0.0754	6.83	0.2691	0.369	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2239	5.66	0.2691	0.369	
	2	0.912	2.89	0.2691	0.369	
	3	1.0	5.3	0.2691	0.369	
	4	1.0	3.0	0.2691	0.369	
	5	0.2215	6.8	0.2689	0.3696	
	6	0.2171	5.92	0.2691	0.369	
	7	0.8669	0.57	0.2691	0.369	
	8	0.2196	7.29	0.2691	0.369	
	9	1.0	3.56	0.2691	0.369	
	10	0.1457	10.8	0.2691	0.369	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.2165	11.56	0.2691	0.369	
	2		1.0	2.79	0.2691	0.369	
	3		0.2264	7.41	0.2691	0.369	
	4		0.2244	7.72	0.2691	0.369	
	5		0.2235	7.51	0.2691	0.369	
	6		0.2155	7.88	0.2691	0.369	
	7		0.218	7.69	0.2691	0.369	
	8		0.2175	8.19	0.2691	0.369	
	9		0.2181	7.64	0.2691	0.369	
	10		0.2177	7.7	0.2691	0.369	

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

test	Negative selection	0.055	75.704	SRV+Double
test	Neutral evolution	1.0	24.296	SRV+Double
reference	Diversifying selection	1.456	3.098	SRV+Double
reference	Negative selection	0.0	61.021	SRV+Double
reference	Negative selection	0.656	35.882	SRV+Double
test	Diversifying selection	12.846	3.098	SRV+Double
test	Diversifying selection	1.456	3.098	SRV+Double
test	Negative selection	0.0	61.021	SRV+Double
test	Negative selection	0.057	35.882	SRV+Double
test	Negative selection	0.0	61.021	SRV+Double
test	Negative selection	0.656	35.882	SRV+Double
reference	Negative selection	0.0	62.598	SRV+Double
reference	Negative selection	0.72	33.657	SRV+Double
reference	Neutral evolution	1.0	3.745	SRV+Double
test	Negative selection	0.0	62.598	SRV+Double
test	Negative selection	0.72	33.657	SRV+Double
test	Neutral evolution	1.0	3.745	SRV+Double
reference	Diversifying selection	1.538	3.071	SRV+Double
reference	Negative selection	0.0	60.13	SRV+Double
reference	Negative selection	0.633	36.799	SRV+Double
test	Diversifying selection	12.78	3.071	SRV+Double
test	Diversifying selection	1.538	3.071	SRV+Double
test	Negative selection	0.0	60.13	SRV+Double
test	Negative selection	0.067	36.799	SRV+Double
test	Negative selection	0.0	60.13	SRV+Double
test	Negative selection	0.633	36.799	SRV+Double
reference	Diversifying selection	1.063	6.599	SRV+Double
reference	Negative selection	0.0	60.79	SRV+Double
reference	Negative selection	0.642	32.611	SRV+Double
test	Diversifying selection	1.063	6.599	SRV+Double
test	Negative selection	0.0	60.79	SRV+Double
test	Negative selection	0.642	32.611	SRV+Double
reference	Diversifying selection	1.008	0.0	SRV+Double
reference	Negative selection	0.0	64.816	SRV+Double
reference	Negative selection	0.798	35.184	SRV+Double
test	Diversifying selection	1.005	0.0	SRV+Double
test	Diversifying selection	1.008	0.0	SRV+Double
test	Negative selection	0.0	64.816	SRV+Double
test	Negative selection	0.879	35.184	SRV+Double
test	Negative selection	0.0	64.816	SRV+Double
test	Negative selection	0.798	35.184	SRV+Double
reference	Diversifying selection	2.247	0.0	SRV+Double
reference	Negative selection	0.0	64.736	SRV+Double
reference	Negative selection	0.799	35.264	SRV+Double
test	Diversifying selection	2.247	0.0	SRV+Double
test	Negative selection	0.0	64.736	SRV+Double
test	Negative selection	0.799	35.264	SRV+Double
reference	Diversifying selection	11.28	3.114	SRV+Double
reference	Negative selection	0.0	61.423	SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.68	56.757	SRV	
	2	0.971	35.646	SRV	
	3	3.526	7.598	SRV	
	1	0.658	51.538	SRV	
	2	0.973	41.232	SRV	
	3	3.594	7.23	SRV	
	1	0.403	13.175	SRV	
	2	0.866	79.734	SRV	
	3	3.621	7.091	SRV	
	1	0.719	71.875	SRV	
	2	1.044	20.471	SRV	
	3	3.517	7.654	SRV	
	1	0.768	90.405	SRV	
	2	2.1	1.827	SRV	
	3	3.44	7.768	SRV	
	1	0.717	67.563	SRV	
	2	0.976	24.369	SRV	
	3	3.44	8.068	SRV	
	1	0.731	77.23	SRV	
	2	1.101	15.07	SRV	
	3	3.503	7.7	SRV	
	1	0.0	3.106	SRV	
	2	0.827	89.91	SRV	
	3	3.669	6.983	SRV	
	1	0.0	3.139	SRV	
	2	0.828	89.928	SRV	
	3	3.686	6.933	SRV	

test	2H	0.0	SRV+Double
reference	2H	0.0	SRV+Double
test	2H	0.2987	SRV+Double
test	2H	0.0	SRV+Double
reference	2H	0.0558	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
test	2H	0.2945	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0713	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.0	SRV+Double+Triple
test	2H	0.281	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	0.2814	SRV+Double+Triple
test	2H	0.2806	SRV+Double+Triple
test	2H	0.281	SRV+Double+Triple
test	2H	0.2804	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0523	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
test	2H	0.2919	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0625	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
test	2H	0.2912	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0539	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.0	SRV+Double+Triple