

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

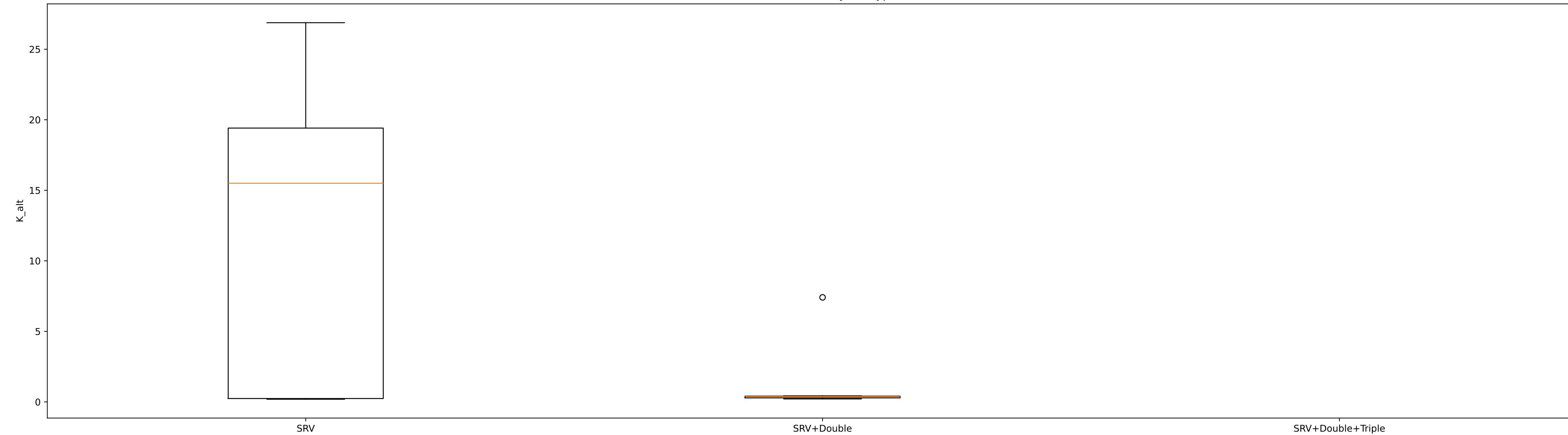
Includes:

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

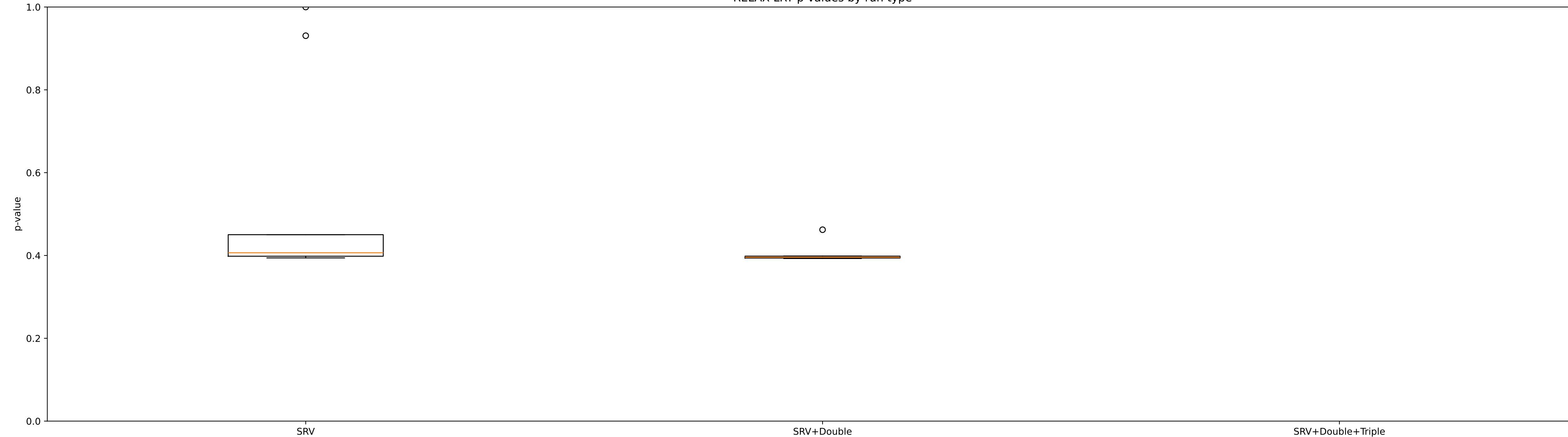
## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.4065	0.3941	1.0	15.5	0.19	26.88	0.2618	0.4894	9	nan	nan
0.3958	0.3927	0.4622	0.375	0.21	7.41	0.2618	0.4894	10	0.0078	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

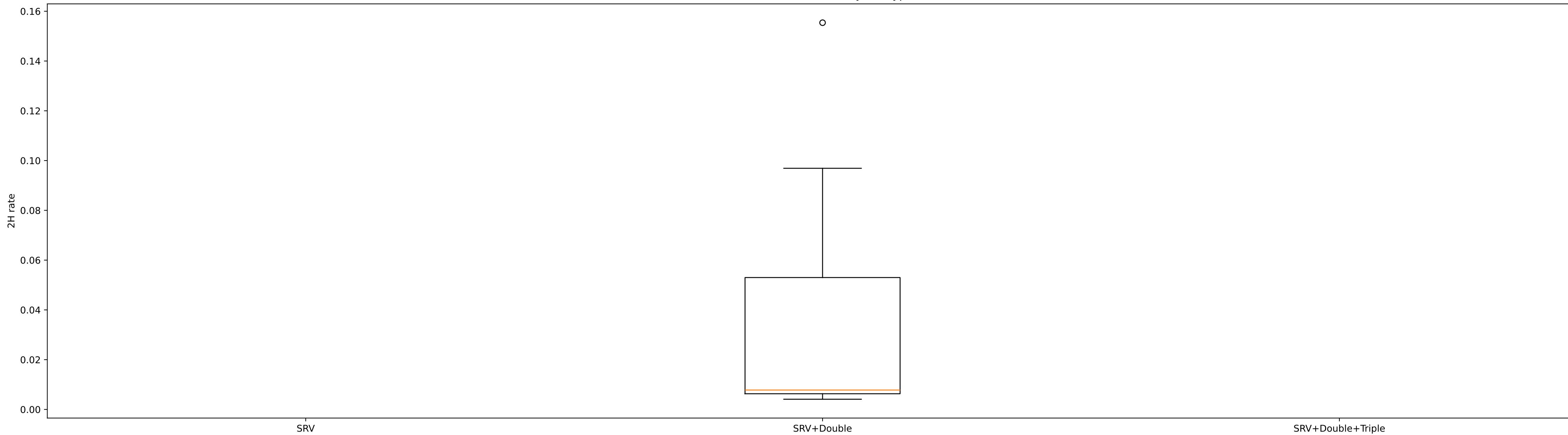
K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



2H rates (test) by run type



No 3H rates available

## Replicate-level summary — SRV (page 1/1)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.3994	15.5	0.2618	0.4894
	2	0.4065	0.37	0.2618	0.4894
	3	0.4502	26.88	0.2618	0.4894
	4	0.3982	19.41	0.2618	0.4894
	5	0.4103	19.16	0.2618	0.4894
	6	1.0	0.21	0.2618	0.4894
	7	nan	nan	0.2618	0.4894
	8	0.9307	0.19	0.2618	0.4894
	9	0.3941	23.35	0.2618	0.4894
	10	0.3979	0.24	0.2618	0.4894

## Replicate-level summary — SRV+Double (page 1/1)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.395	0.21	0.2618	0.4894
	2	0.3986	0.28	0.2618	0.4894
	3	0.3959	0.24	0.2618	0.4894
	4	0.3935	7.41	0.2618	0.4894
	5	0.3928	0.41	0.2618	0.4894
	6	0.4622	0.39	0.2618	0.4894
	7	0.3956	0.36	0.2618	0.4881
	8	0.3985	0.3	0.2621	0.4893
	9	0.3979	0.43	0.2619	0.4888
	10	0.3927	0.41	0.2618	0.4894

## Replicate-level summary — SRV+Double+Triple (page 1/1)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	nan	nan	nan	nan
	2	nan	nan	nan	nan
	3	nan	nan	nan	nan
	4	nan	nan	nan	nan
	5	nan	nan	nan	nan
	6	nan	nan	nan	nan
	7	nan	nan	nan	nan
	8	nan	nan	nan	nan
	9	nan	nan	nan	nan
	10	nan	nan	nan	nan

test		Negative selection	0.0	63.493	SRV	
test		Negative selection	0.752	36.507	SRV	
reference		Negative selection	0.001	51.088	SRV	
reference		Negative selection	0.247	28.489	SRV	
reference		Neutral evolution	1.0	20.423	SRV	
test		Negative selection	0.163	51.088	SRV	
test		Negative selection	0.713	28.489	SRV	
test		Negative selection	0.001	51.088	SRV	
test		Negative selection	0.247	28.489	SRV	
test		Neutral evolution	1.0	20.423	SRV	
test		Neutral evolution	1.0	20.423	SRV	
reference		Negative selection	0.0	51.645	SRV	
reference		Negative selection	0.249	27.522	SRV	
reference		Neutral evolution	1.0	20.833	SRV	
test		Negative selection	0.0	51.645	SRV	
test		Negative selection	0.249	27.522	SRV	
test		Neutral evolution	1.0	20.833	SRV	
reference		Diversifying selecting on	1.016	17.76	SRV+Double	
reference		Negative selection	0.0	50.402	SRV+Double	
reference		Negative selection	0.288	31.839	SRV+Double	
test		Diversifying selecting on	1.003	17.76	SRV+Double	
test		Diversifying selecting on	1.016	17.76	SRV+Double	
test		Negative selection	0.134	50.402	SRV+Double	
test		Negative selection	0.769	31.839	SRV+Double	
test		Negative selection	0.0	50.402	SRV+Double	
test		Negative selection	0.288	31.839	SRV+Double	
reference		Diversifying selecting on	1.004	18.884	SRV+Double	
reference		Negative selection	0.0	50.604	SRV+Double	
reference		Negative selection	0.278	30.512	SRV+Double	
test		Diversifying selecting on	1.004	18.884	SRV+Double	
test		Negative selection	0.0	50.604	SRV+Double	
test		Negative selection	0.278	30.512	SRV+Double	
reference		Negative selection	0.007	63.113	SRV+Double	
reference		Negative selection	0.584	24.037	SRV+Double	
reference		Neutral evolution	1.0	12.849	SRV+Double	
test		Negative selection	0.246	63.113	SRV+Double	
test		Negative selection	0.859	24.037	SRV+Double	
test		Negative selection	0.007	63.113	SRV+Double	
test		Negative selection	0.584	24.037	SRV+Double	
test		Neutral evolution	1.0	12.849	SRV+Double	
test		Neutral evolution	1.0	12.849	SRV+Double	
reference		Negative selection	0.0	62.02	SRV+Double	
reference		Negative selection	0.587	25.394	SRV+Double	
reference		Neutral evolution	1.0	12.586	SRV+Double	
test		Negative selection	0.0	62.02	SRV+Double	
test		Negative selection	0.587	25.394	SRV+Double	
test		Neutral evolution	1.0	12.586	SRV+Double	
reference		Negative selection	0.001	52.789	SRV+Double	
reference		Negative selection	0.284	27.698	SRV+Double	

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

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
	1	0.656	43.794	SRV	
	2	0.67	27.059	SRV	
	3	1.824	29.147	SRV	
	1	0.661	37.75	SRV	
	2	0.665	33.446	SRV	
	3	1.833	28.804	SRV	
	1	0.662	28.69	SRV	
	2	0.665	42.653	SRV	
	3	1.836	28.657	SRV	
	1	0.654	42.113	SRV	
	2	0.67	28.712	SRV	
	3	1.824	29.174	SRV	
	1	0.653	40.617	SRV	
	2	0.675	30.368	SRV	
	3	1.827	29.014	SRV	
	1	0.658	31.087	SRV	
	2	0.673	40.827	SRV	
	3	1.855	28.086	SRV	
	1	0.659	31.091	SRV	
	2	0.673	40.82	SRV	
	3	1.853	28.088	SRV	
	1	0.663	37.393	SRV	
	2	0.671	34.569	SRV	
	3	1.855	28.037	SRV	
	1	0.645	34.024	SRV	
	2	0.68	37.285	SRV	
	3	1.836	28.691	SRV	

	reference		2H	0.0929	SRV+Double	
	reference		2H	0.007	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0051	SRV+Double	
	reference		2H	0.0069	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.1554	SRV+Double	
	reference		2H	0.0069	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0049	SRV+Double	
	reference		2H	0.0063	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0913	SRV+Double	
	reference		2H	0.0081	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0059	SRV+Double	
	reference		2H	0.0067	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0903	SRV+Double	
	reference		2H	0.0078	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0061	SRV+Double	
	reference		2H	0.0063	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0915	SRV+Double	
	reference		2H	0.0054	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0041	SRV+Double	
	reference		2H	0.007	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0906	SRV+Double	
	reference		2H	0.0089	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0064	SRV+Double	
	reference		2H	0.0078	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0919	SRV+Double	
	reference		2H	0.0086	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.006	SRV+Double	
	reference		2H	0.0063	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0894	SRV+Double	
	reference		2H	0.0166	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0142	SRV+Double	
	reference		2H	0.0155	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0969	SRV+Double	