

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

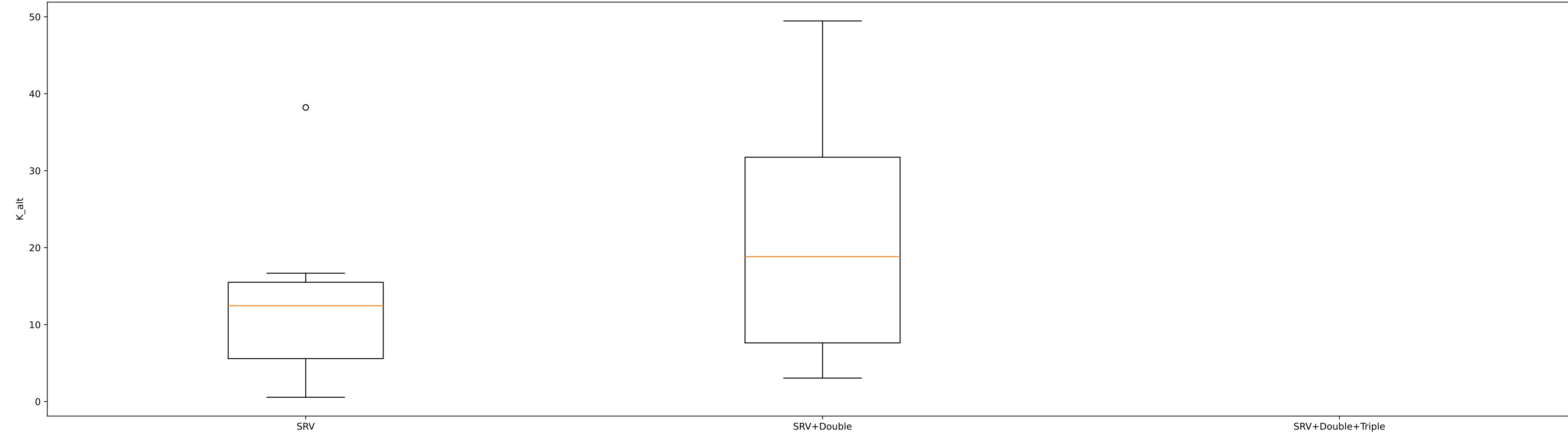
Includes:

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

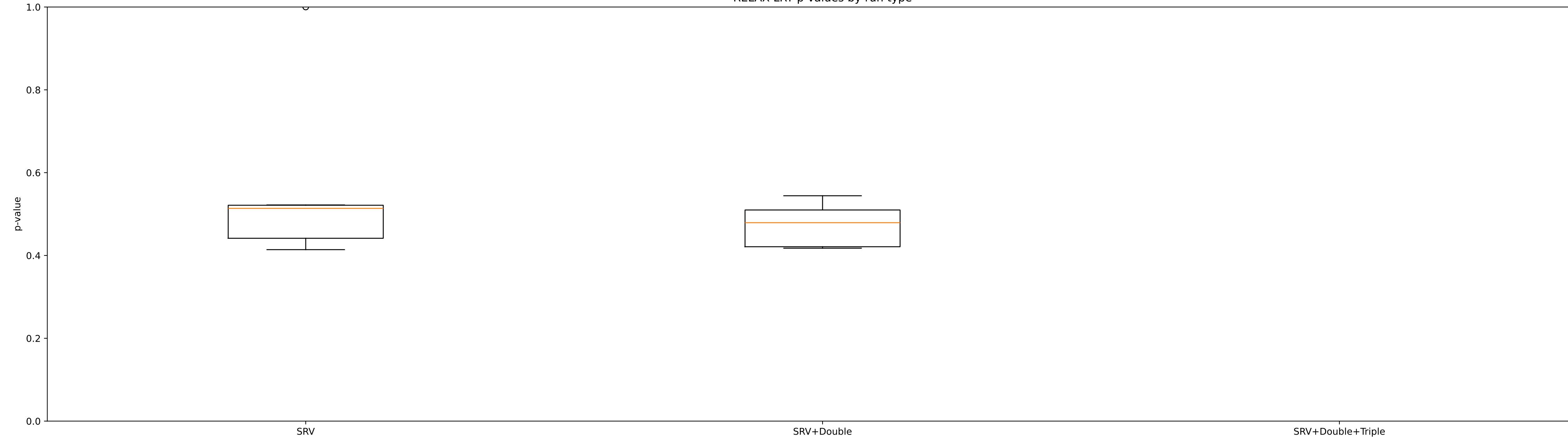
## Run-type summary statistics

<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>
0.5137	0.4141	1.0	12.455	0.56	38.22	0.2655	0.1589	10	nan	nan
0.4792	0.4176	0.5442	18.835	3.05	49.46	0.2655	0.1589	10	0.0066	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

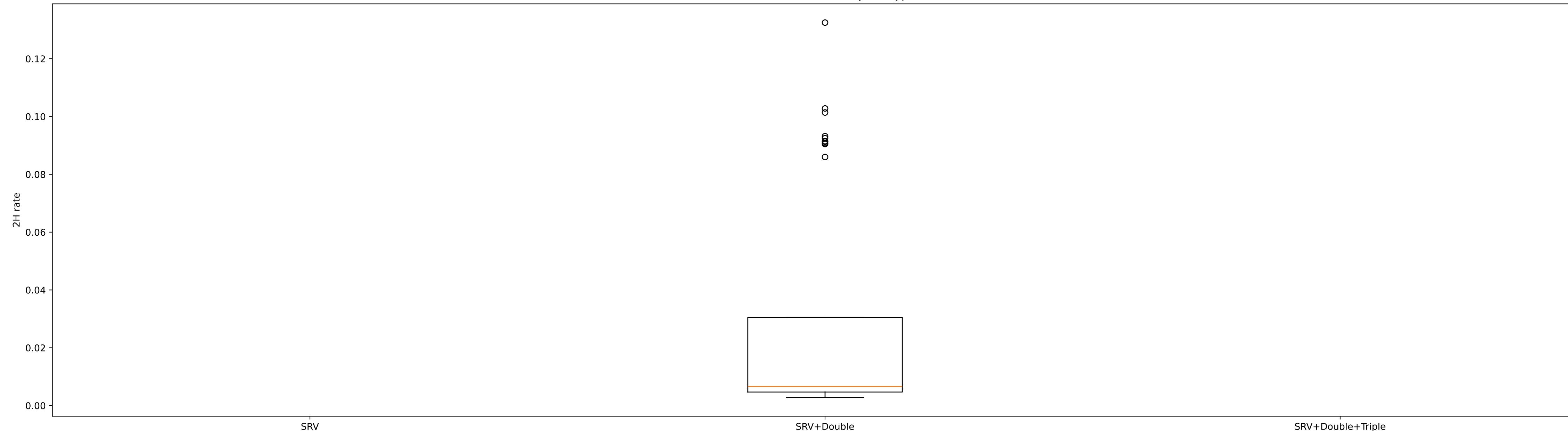
K (alternative) by run type



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_re ference</b>	<b>global_dNdS_te st</b>
	1	0.522	11.83	0.2655	0.1589
	2	0.5082	15.56	0.2655	0.1589
	3	0.5201	12.25	0.2655	0.1589
	4	0.4172	3.5	0.2655	0.1587
	5	0.4193	38.22	0.2655	0.1589
	6	1.0	0.56	0.2655	0.1589
	7	0.5191	16.68	0.2655	0.1589
	8	0.5217	12.66	0.2655	0.1587
	9	0.5083	15.33	0.2655	0.1589
	10	0.4141	3.09	0.2655	0.1589

## Replicate-level summary — SRV+Double (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	0.4176	3.05	0.2655	0.1589
	2	0.421	4.97	0.2655	0.1589
	3	0.4214	42.26	0.2655	0.1589
	4	0.5442	49.46	0.2655	0.1589
	5	0.513	15.49	0.2655	0.1589
	6	0.5004	19.51	0.2655	0.1589
	7	0.497	24.27	0.2655	0.1589
	8	0.5145	18.16	0.2655	0.1589
	9	0.4613	34.25	0.2655	0.1589
	10	0.42	5.0	0.2655	0.1589

## 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	23.541	SRV
	test	Negative selection	0.108	54.659	SRV
	test	Neutral evolution	1.0	21.8	SRV
	test	Neutral evolution	1.0	21.8	SRV
	reference	Negative selection	0.0	24.53	SRV
	reference	Negative selection	0.102	53.211	SRV
	reference	Neutral evolution	1.0	22.26	SRV
	test	Negative selection	0.0	24.53	SRV
	test	Negative selection	0.102	53.211	SRV
	test	Neutral evolution	1.0	22.26	SRV
	reference	Negative selection, Diversifying selection	1.006	0.0	SRV
	reference	Negative selection, Diversifying selection	0.0	63.868	SRV
	reference	Negative selection, Diversifying selection	0.767	36.132	SRV
	test	Negative selection, Diversifying selection	1.019	0.0	SRV
	test	Diversifying selection	1.006	0.0	SRV
	test	Negative selection	0.0	63.868	SRV
	test	Negative selection	0.441	36.132	SRV
	test	Negative selection	0.0	63.868	SRV
	test	Negative selection, Diversifying selection	0.767	36.132	SRV
	reference	Negative selection, Diversifying selection	1.676	0.0	SRV
	reference	Negative selection	0.0	63.816	SRV
	reference	Negative selection, Diversifying selection	0.76	36.184	SRV
	test	Negative selection, Diversifying selection	1.676	0.0	SRV
	test	Negative selection	0.0	63.816	SRV
	test	Negative selection, Diversifying selection	0.76	36.184	SRV
	reference	Negative selection, Diversifying selection	1.006	0.0	SRV+Double
	reference	Negative selection	0.0	63.717	SRV+Double
	reference	Negative selection, Diversifying selection	0.762	36.283	SRV+Double
	test	Negative selection, Diversifying selection	1.018	0.0	SRV+Double
	test	Diversifying selection	1.006	0.0	SRV+Double
	test	Negative selection	0.0	63.717	SRV+Double
	test	Negative selection	0.436	36.283	SRV+Double
	test	Negative selection	0.0	63.717	SRV+Double
	test	Negative selection, Diversifying selection	0.762	36.283	SRV+Double
	reference	Negative selection, Diversifying selection	1.726	0.0	SRV+Double
	reference	Negative selection	0.0	63.379	SRV+Double
	reference	Negative selection, Diversifying selection	0.748	36.621	SRV+Double
	test	Negative selection, Diversifying selection	1.726	0.0	SRV+Double
	test	Negative selection	0.0	63.379	SRV+Double
	test	Negative selection	0.748	36.621	SRV+Double
	reference	Negative selection	0.0	61.66	SRV+Double
	reference	Negative selection	0.549	23.312	SRV+Double
	reference	Neutral evolution	1.0	15.028	SRV+Double
	test	Negative selection	0.0	61.66	SRV+Double
	test	Negative selection	0.051	23.312	SRV+Double
	test	Negative selection	0.0	61.66	SRV+Double
	test	Negative selection	0.549	23.312	SRV+Double
	test	Neutral evolution	1.0	15.028	SRV+Double
	test	Neutral evolution	1.1	15.028	SRV+Double
	test	Neutral evolution	1.0	15.028	SRV+Double
	reference	Negative selection	0.0	61.579	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>	
SRV	1	0.647	43.849	SRV	
	2	0.683	27.043	SRV	
	3	1.826	29.109	SRV	
	1	0.657	44.713	SRV	
	2	0.667	26.151	SRV	
	3	1.825	29.136	SRV	
	1	0.646	38.23	SRV	
	2	0.678	32.585	SRV	
	3	1.823	29.185	SRV	
SRV	1	0.659	43.217	SRV	
	2	0.677	28.607	SRV	
	3	1.851	28.176	SRV	
	1	0.644	32.566	SRV	
	2	0.685	39.125	SRV	
	3	1.845	28.308	SRV	
	1	0.662	32.012	SRV	
	2	0.668	39.52	SRV	
	3	1.842	28.468	SRV	
SRV	1	0.656	44.67	SRV	
	2	0.667	26.151	SRV	
	3	1.825	29.18	SRV	
	1	0.65	44.865	SRV	
	2	0.681	26.057	SRV	
	3	1.826	29.078	SRV	
	1	0.638	22.676	SRV	
	2	0.672	48.226	SRV	
	3	1.826	29.097	SRV	
SRV	1	0.661	46.629	SRV	
	2	0.677	25.296	SRV	
	3	1.854	28.075	SRV	

	test		2H	0.0	SRV+Double	
	reference		2H	0.0913	SRV+Double	
	reference		2H	0.004	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.006	SRV+Double	
	reference		2H	0.0043	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.086	SRV+Double	
	reference		2H	0.0039	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0049	SRV+Double	
	reference		2H	0.0039	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.1325	SRV+Double	
	reference		2H	0.0031	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0074	SRV+Double	
	reference		2H	0.0062	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0925	SRV+Double	
	reference		2H	0.0077	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0054	SRV+Double	
	reference		2H	0.0028	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0932	SRV+Double	
	reference		2H	0.0099	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0075	SRV+Double	
	reference		2H	0.005	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0908	SRV+Double	
	reference		2H	0.0093	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0068	SRV+Double	
	reference		2H	0.0042	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.1028	SRV+Double	
	reference		2H	0.0085	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0053	SRV+Double	
	reference		2H	0.0034	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0905	SRV+Double	
	reference		2H	0.012	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0082	SRV+Double	
	reference		2H	0.0048	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0915	SRV+Double	