

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

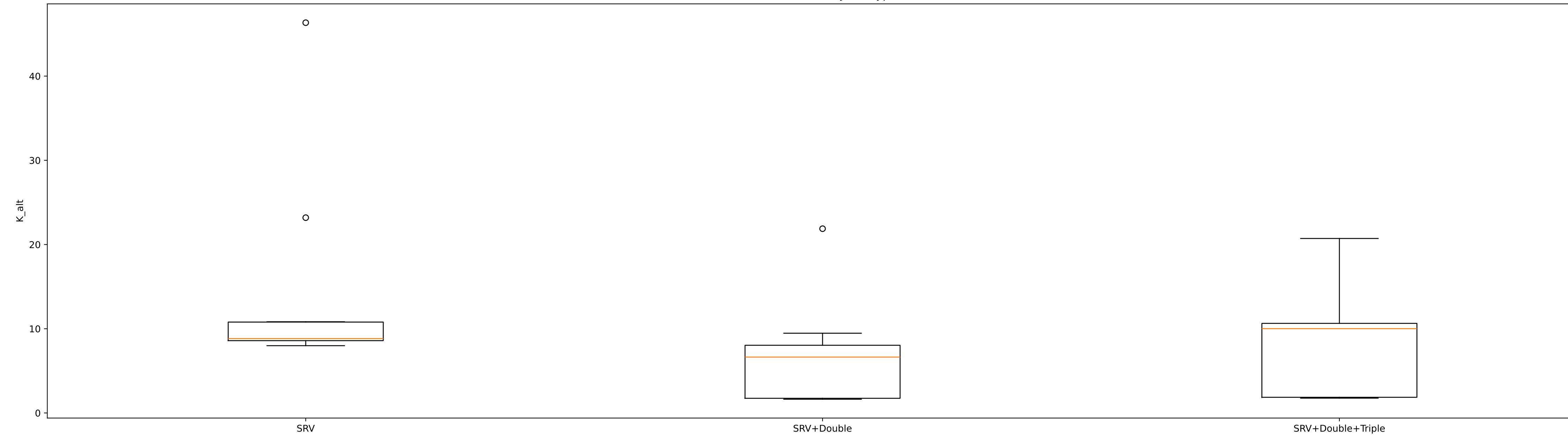
Includes:

- 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_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_medi an
0.027	0.026	0.0297	8.835	7.99	46.34	0.238	0.1773	10	nan	nan
0.0764	0.0481	0.1246	6.635	1.63	21.88	0.238	0.1773	10	0.0	0.0
0.0761	0.0408	0.1208	10.01	1.76	20.72	0.238	0.1773	9	0.0	0.0

K (alternative) by run type



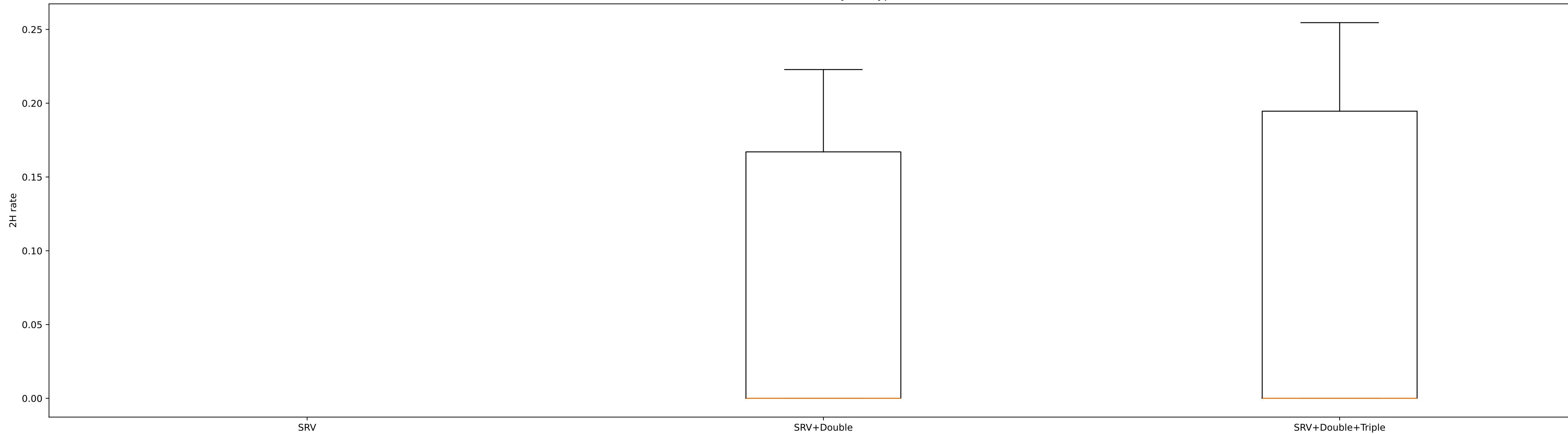
RELAX LRT p-values by run type



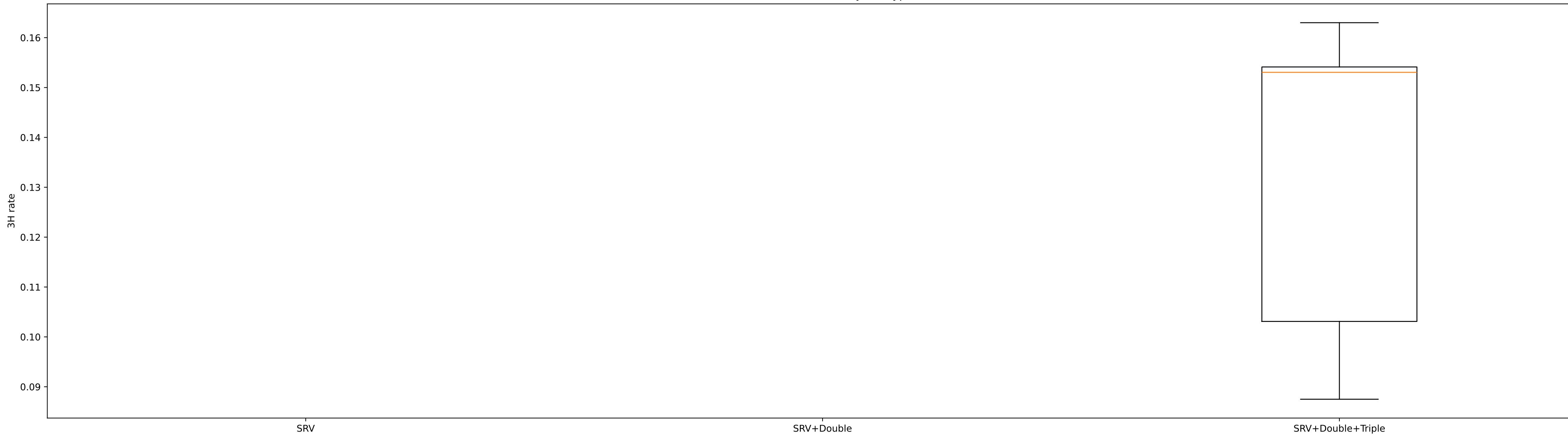
2H rates (reference) by run type



2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



## 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	0.027	8.63	0.238	0.1773
	2	0.0275	7.99	0.238	0.1773
	3	0.0269	8.91	0.238	0.1773
	4	0.0294	23.19	0.238	0.1773
	5	0.0297	46.34	0.238	0.1773
	6	0.0261	10.68	0.238	0.1773
	7	0.026	10.83	0.238	0.1773
	8	0.0272	8.41	0.238	0.1773
	9	0.0269	8.76	0.238	0.1773
	10	0.0271	8.57	0.238	0.1773

## 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	0.0481	9.47	0.238	0.1773
	2	0.1002	1.63	0.238	0.1773
	3	0.0503	7.58	0.238	0.1773
	4	0.0494	8.19	0.238	0.1773
	5	0.0514	6.93	0.238	0.1773
	6	0.1012	1.67	0.238	0.1773
	7	0.1246	21.88	0.238	0.1773
	8	0.0527	6.34	0.238	0.1773
	9	0.1027	1.8	0.238	0.1773
	10	0.1019	1.72	0.238	0.1773

## 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	0.0761	20.72	0.238	0.1773
	2	nan	nan	0.238	0.1773
	3	0.1207	1.87	0.238	0.1773
	4	0.0426	10.64	0.238	0.1773
	5	0.1208	1.81	0.238	0.1773
	6	0.0408	12.91	0.238	0.1773
	7	0.0432	10.01	0.238	0.1773
	8	0.0429	10.35	0.238	0.1773
	9	0.1204	1.76	0.238	0.1773
	10	0.1207	1.86	0.238	0.1773

test		Negative s election	on	0.212		99.553		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.213		0.394		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	1.169		6.188		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.181	Ω-class distributions (all) (cols 1-7/7)	29.576		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.184		64.236		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	3.605		6.188		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	1.169		6.188		SRV+Double	
test		Negative s election	on	0.0		29.576		SRV+Double	
test		Negative s election	on	0.0		64.236		SRV+Double	
test		Negative s election	on	0.181		29.576		SRV+Double	
test		Negative s election	on	0.184		64.236		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	24.961		0.052		SRV+Double	
reference		Negative s election	on	0.21		0.424		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.212		99.524		SRV+Double	
test		Negative s election	on	24.961		0.052		SRV+Double	
test		Negative s election	on	0.21		0.424		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.212		99.524		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	1.202		6.195		SRV+Double	
reference		Negative s election	on	0.181		39.065		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.182		54.74		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	3.577		6.195		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	1.202		6.195		SRV+Double	
test		Negative s election	on	0.0		39.065		SRV+Double	
test		Negative s election	on	0.0		54.74		SRV+Double	
test		Negative s election	on	0.181		39.065		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.182		54.74		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	24.855		0.052		SRV+Double	
reference		Negative s election	on	0.212		99.094		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.218		0.853		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	24.855		0.052		SRV+Double	
test		Negative s election	on	0.212		99.094		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.218		0.853		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	2.375		2.719		SRV+Double	
reference		Negative s election	on	0.195		12.28		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.195		85.001		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	4.247		2.719		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	2.375		2.719		SRV+Double	
test		Negative s election	on	0.065		12.28		SRV+Double	
test		Negative s election	on	0.065		85.001		SRV+Double	
test		Negative s election	on	0.195		12.28		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.195		85.001		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	24.726		0.052		SRV+Double	
reference		Negative s election	on	0.212		99.506		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	0.214		0.442		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	24.726		0.052		SRV+Double	
test		Negative s election	on	0.212		99.506		SRV+Double	
test		Negative s election	Diversifyi ng selecti on	0.214		0.442		SRV+Double	
reference		Negative s election	Diversifyi ng selecti on	154		0.0		SRV+Double	
reference		Negative s election	on	0.233		92.936		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	0.888	81.265	SRV	
	2	0.889	16.95	SRV	
	3	7.143	1.785	SRV	
	1	0.889	98.222	SRV	
	2	7.135	0.167	SRV	
	3	7.16	1.611	SRV	
SRV	1	0.888	81.639	SRV	
	2	0.89	16.58	SRV	
	3	7.15	1.78	SRV	
	1	0.888	8.699	SRV	
	2	0.893	89.85	SRV	
	3	8.308	1.45	SRV	
	1	0.886	10.528	SRV	
	2	0.886	87.639	SRV	
	3	7.086	1.832	SRV	
	1	0.892	91.056	SRV	
	2	0.898	7.497	SRV	
	3	8.306	1.447	SRV	
	1	0.887	89.056	SRV	
	2	0.887	9.116	SRV	
	3	7.084	1.828	SRV	
	1	0.889	82.433	SRV	
SRV	2	0.889	15.788	SRV	
	3	7.147	1.779	SRV	
	1	0.886	9.771	SRV	
	2	0.889	88.454	SRV	
	3	7.158	1.775	SRV	
	1	0.0	0.137	SRV	
	2	0.89	98.102	SRV	
	3	7.185	1.761	SRV	
	1	0.888	76.767	SRV	
	2	0.893	21.472	SRV	
	3	7.175	1.761	SRV	
	1	0.888	87.792	SRV	
	2	0.894	10.428	SRV	
	3	7.164	1.779	SRV	

	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.102	SRV+Double+Triple	
	reference		3H	0.1541	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	0.1526	SRV+Double+Triple	
	reference		3H	0.1539	SRV+Double+Triple	
	test		2H	0.2546	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	0.103	SRV+Double+Triple	
	reference		3H	0.0875	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	0.163	SRV+Double+Triple	
	reference		3H	0.1542	SRV+Double+Triple	
	test		2H	0.1944	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	0.1035	SRV+Double+Triple	
	reference		3H	0.1235	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	0.1628	SRV+Double+Triple	
	reference		3H	0.1536	SRV+Double+Triple	
	test		2H	0.1951	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	0.0881	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	0.1629	SRV+Double+Triple	
	reference		3H	0.1535	SRV+Double+Triple	
	test		2H	0.195	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	0.103	SRV+Double+Triple	
	reference		3H	0.1249	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	0.11	SRV+Double+Triple	