RELAX Combined Report

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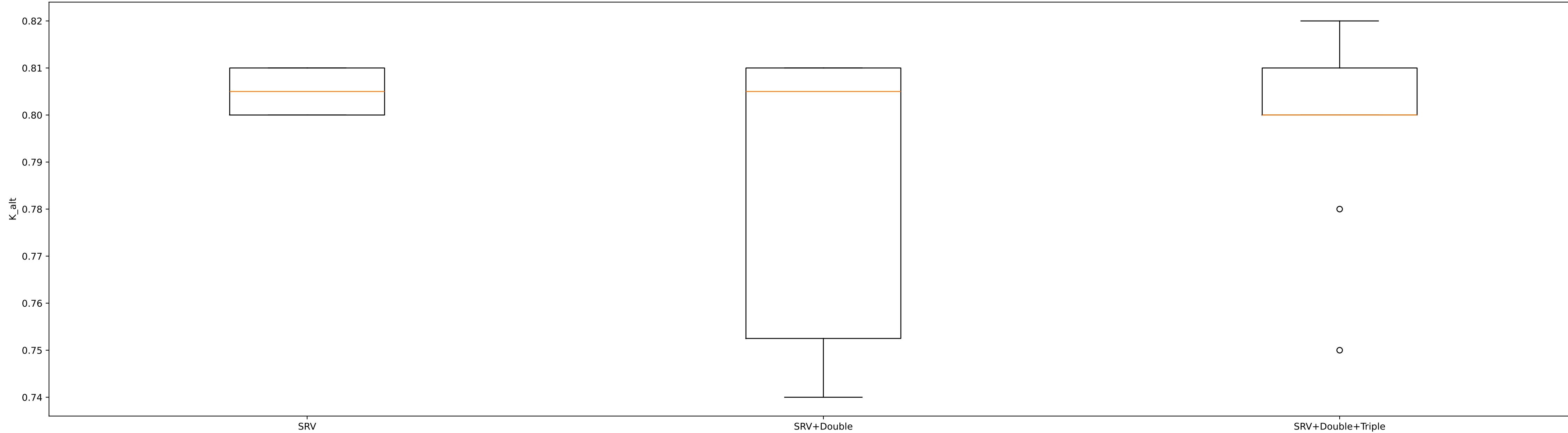
Includes:

- Run-type summary

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

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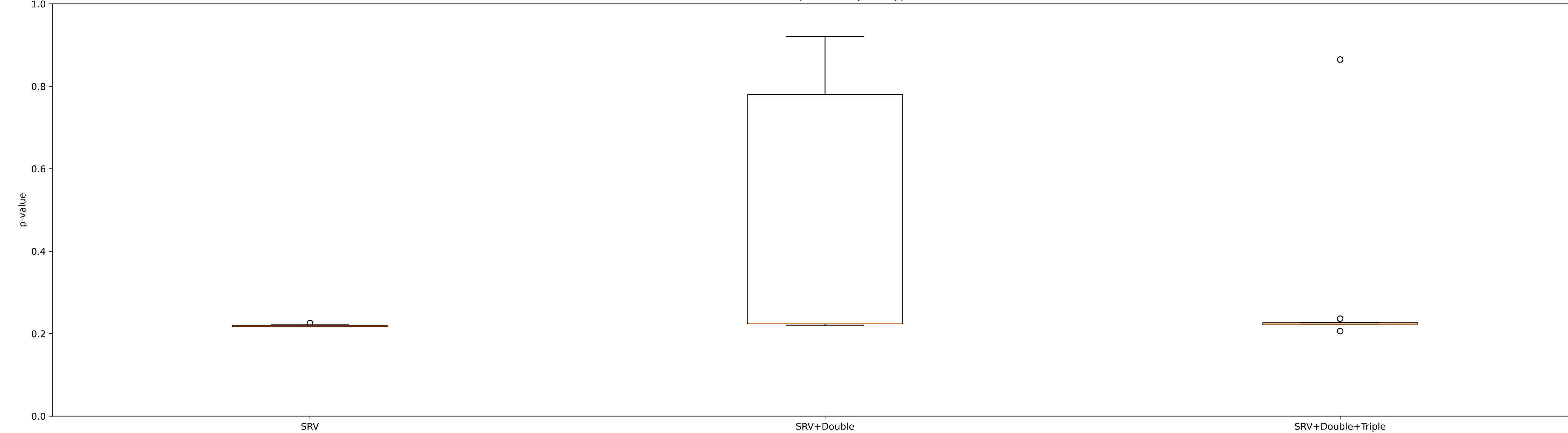
Run-type summary statistics

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
0.2186	0.2169	0.2259	0.805	0.8	0.81	0.1677	0.2321	10	nan	nan
0.225	0.2208	0.921	0.805	0.74	0.81	0.1677	0.2321	10	0.0	0.0
0.2238	0.2061	0.8649	0.8	0.75	0.82	0.1677	0.2321	10	0.0019	0.0
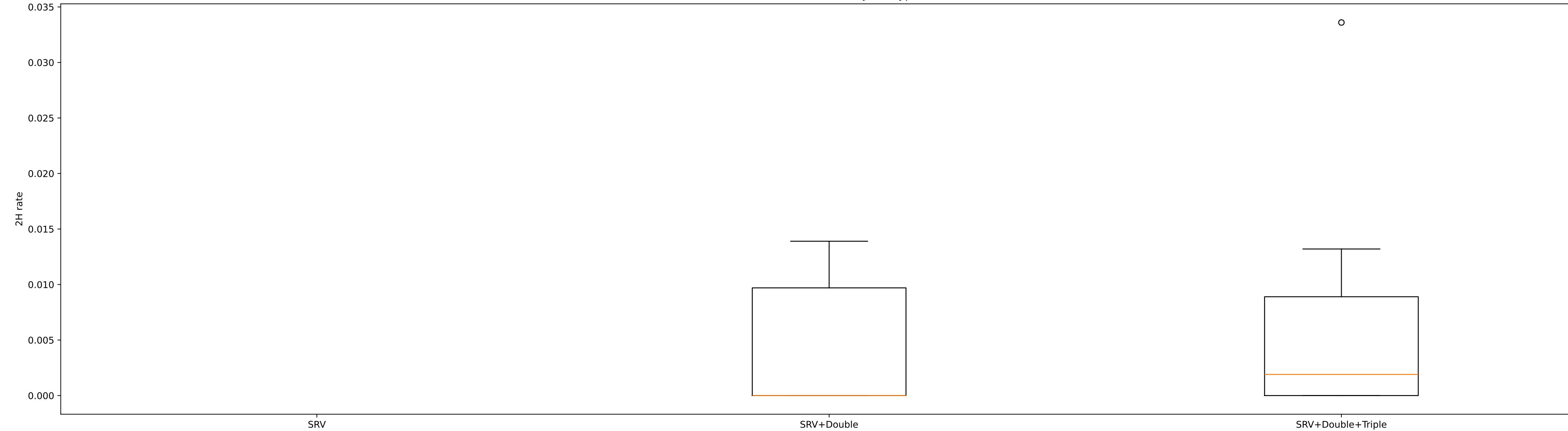
K (alternative) by run type

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

SRV | SRV+Double | SRV+Double+Triple

7

3H rates (test) by run type

3H rate

0.04

0.02

0.00

-0.02

-0.04

SRV

SRV+Double

SRV+Double+Triple

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2174	0.81	0.1677	0.2321	
	2	0.2181	0.8	0.1677	0.2321	
	3	0.2259	0.8	0.1677	0.2321	
	4	0.2192	0.8	0.1678	0.2316	
	5	0.217	0.81	0.1677	0.2321	
	6	0.2193	0.8	0.1677	0.2321	
	7	0.2197	0.81	0.1677	0.2321	
	8	0.2171	0.81	0.1677	0.2321	
	9	0.2214	0.8	0.1677	0.2321	
	10	0.2169	0.81	0.1678	0.232	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6798	0.74	0.1677	0.2321	
	2	0.2235	0.81	0.1677	0.2321	
	3	0.2238	0.81	0.1678	0.2318	
	4	0.921	0.75	0.1677	0.2321	
	5	0.2248	0.81	0.1677	0.2321	
	6	0.9116	0.75	0.1677	0.2321	
	7	0.2208	0.8	0.1677	0.2321	
	8	0.2248	0.81	0.1677	0.2321	
	9	0.8135	0.76	0.1677	0.2321	
	10	0.2251	0.81	0.1677	0.2321	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2234	0.81	0.1677	0.2321	
	2	0.2238	0.81	0.1679	0.2319	
	3	0.2238	0.81	0.1677	0.2321	
	4	0.2235	0.82	0.1677	0.2321	
	5	0.2234	0.8	0.1677	0.2321	
	6	0.2257	0.8	0.1677	0.2321	
	7	0.2061	0.78	0.1677	0.2321	
	8	0.2364	0.8	0.1677	0.2321	
	9	0.2268	0.8	0.1677	0.2321	
	10	0.8649	0.75	0.1677	0.2321	

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

test	Negative selection	0.221	3.729		SRV+Double
test	Negative selection	0.225	96.271		SRV+Double
test	Negative selection	0.138	96.271		SRV+Double
test	Negative selection	0.799	3.729		SRV+Double
reference	Diversifying selection	0.045	0.0		SRV+Double
reference	Negative selection	0.0	27.001		SRV+Double
reference	Negative selection	0.221	72.999		SRV+Double
test	Diversifying selection	1.006	0.0		SRV+Double
test	Negative selection	0.0	27.001		SRV+Double
test	Negative selection	0.221	72.999		SRV+Double
reference	Diversifying selection	5.905	0.0		SRV+Double
reference	Negative selection	0.045	15.706		SRV+Double
reference	Negative selection	0.182	84.294		SRV+Double
test	Diversifying selection	4.211	0.0		SRV+Double
test	Diversifying selection	5.905	0.0		SRV+Double
test	Negative selection	0.082	15.706		SRV+Double
test	Negative selection	0.252	84.294		SRV+Double
test	Negative selection	0.045	15.706		SRV+Double
test	Negative selection	0.182	84.294		SRV+Double
reference	Diversifying selection	1.218	0.0		SRV+Double
reference	Negative selection	0.057	15.44		SRV+Double
reference	Negative selection	0.187	84.56		SRV+Double
test	Diversifying selection	1.218	0.0		SRV+Double
test	Negative selection	0.057	15.44		SRV+Double
test	Negative selection	0.187	84.56		SRV+Double
reference	Diversifying selection	1.042	0.0		SRV+Double
reference	Negative selection	0.135	95.271		SRV+Double
reference	Negative selection	0.72	4.729		SRV+Double
test	Diversifying selection	1.031	0.0		SRV+Double
test	Diversifying selection	1.042	0.0		SRV+Double
test	Negative selection	0.222	4.729		SRV+Double
test	Negative selection	0.224	95.271		SRV+Double
test	Negative selection	0.135	95.271		SRV+Double
test	Negative selection	0.72	4.729		SRV+Double
reference	Diversifying selection	1.006	0.0		SRV+Double
reference	Negative selection	0.0	27.079		SRV+Double
reference	Negative selection	0.221	72.921		SRV+Double
test	Diversifying selection	1.006	0.0		SRV+Double
test	Negative selection	0.0	27.079		SRV+Double
test	Negative selection	0.221	72.921		SRV+Double
reference	Diversifying selection	1.006	0.0		SRV+Double
reference	Negative selection	0.123	88.2		SRV+Double
reference	Negative selection	0.45	11.8		SRV+Double
test	Diversifying selection	1.005	0.0		SRV+Double
test	Diversifying selection	1.006	0.0		SRV+Double
test	Negative selection	0.187	88.2		SRV+Double
test	Negative selection	0.528	11.8		SRV+Double
test	Negative selection	0.123	88.2		SRV+Double
test	Negative selection	0.45	11.8		SRV+Double
reference	Diversifying selection	1.677	0.0		SRV+Double

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

class_id	syn_rate	proportion_percent	run_type
1	0.28	27.311	SRV
2	0.435	29.658	SRV
3	1.846	43.031	SRV
1	0.287	30.0	SRV
2	0.442	26.924	SRV
3	1.845	43.076	SRV
1	0.267	29.149	SRV
2	0.472	28.24	SRV
3	1.852	42.611	SRV
1	0.277	29.741	SRV
2	0.456	27.3	SRV
3	1.846	42.959	SRV
1	0.278	27.696	SRV
2	0.44	29.339	SRV
3	1.847	42.966	SRV
1	0.303	25.918	SRV
2	0.394	30.418	SRV
3	1.836	43.665	SRV
1	0.281	28.111	SRV
2	0.439	28.895	SRV
3	1.847	42.994	SRV
1	0.255	23.19	SRV
2	0.439	34.01	SRV
3	1.849	42.8	SRV
1	0.279	27.966	SRV
2	0.441	29.028	SRV
3	1.847	43.006	SRV
1	0.268	32.817	SRV
2	0.514	25.018	SRV
3	1.858	42.165	SRV

reference	2H	0.0	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.0	SRV+Double+Triple	
reference	2H	0.0117	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	0.0126	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	2H	0.0118	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	0.0124	SRV+Double+Triple	
reference	2H	0.0011	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	2H	0.0071	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	0.0125	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	2H	0.0132	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	0.0126	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	2H	0.0034	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	0.0077	SRV+Double+Triple	
reference	2H	0.0	SRV+Double+Triple	