

Supplementary Table 1

#	function	O/R	min (%)	max (%)	#	function	O/R	min (%)	max (%)
1	linear	O	0.02	44.44	51	sin_pluslin	R	0.02	43.96
2	linear	O	0.02	28.03	52	sin_pluslin	R	0.02	44.04
3	linear	O	0.02	19.27	53	sin_pluslin	R	0.02	43.96
4	linear	O	0.02	14.06	54	sin_pluslin	R	0.02	44.01
5	linear	O	0.02	10.71	55	sin_pluslin	R	0.02	44.08
6	linear	O	0.02	8.43	56	sin_pluslin	R	0.02	44.14
7	linear	O	0.02	6.81	57	sin_pluslin	R	0.02	44.05
8	linear	O	0.02	5.61	58	sin_pluslin	R	0.02	44.10
9	linear	O	0.02	4.70	59	sin_pluslin	R	0.02	44.15
10	linear	O	0.02	4.00	60	sin_pluslin	R	0.02	44.20
11	exponential	O	0.02	44.44	61	sin_plusexp	R	0.02	41.58
12	exponential	O	0.02	28.03	62	sin_plusexp	R	0.02	41.86
13	exponential	O	0.02	19.27	63	sin_plusexp	R	0.02	42.21
14	exponential	O	0.02	14.06	64	sin_plusexp	R	0.02	42.58
15	exponential	O	0.02	10.71	65	sin_plusexp	R	0.02	42.95
16	exponential	O	0.02	8.43	66	sin_plusexp	R	0.02	43.12
17	exponential	O	0.02	6.81	67	sin_plusexp	R	0.02	43.30
18	exponential	O	0.02	5.61	68	sin_plusexp	R	0.02	43.49
19	exponential	O	0.02	4.70	69	sin_plusexp	R	0.02	43.43
20	exponential	O	0.02	4.00	70	sin_plusexp	R	0.02	43.55
21	sin_linamp	R	0.02	43.34	71	sin_plusexp	R	0.02	43.68
22	sin_linamp	R	0.02	43.89	72	sin_plusexp	R	0.02	43.81
23	sin_linamp	R	0.02	44.17	73	sin_plusexp	R	0.02	43.68
24	sin_linamp	R	0.02	10.44	74	sin_plusexp	R	0.02	43.77
25	sin_linamp	R	0.02	10.58	75	sin_plusexp	R	0.02	43.87
26	sin_linamp	R	0.02	10.64	76	sin_plusexp	R	0.02	43.96
27	sin_linamp	R	0.02	4.82	77	sin_plusexp	R	0.02	43.83
28	sin_linamp	R	0.02	4.88	78	sin_plusexp	R	0.02	43.90
29	sin_linamp	R	0.02	4.91	79	sin_plusexp	R	0.02	43.98
30	sin_linamp	R	0.02	2.74	80	sin_plusexp	R	0.02	44.06
31	sinusoidal	R	0.02	10.02	81	linear	R	0.02	44.44
32	sinusoidal	R	0.02	15.02	82	linear	R	0.02	28.03
33	sinusoidal	R	0.02	20.02	83	linear	R	0.02	19.27
34	sinusoidal	R	0.02	15.02	84	linear	R	0.02	14.06
35	sin_pluslin_linamp	R	0.02	23.25	85	linear	R	0.02	10.71
36	sin_pluslin_linamp	R	0.02	23.69	86	linear	R	0.02	8.43
37	sin_plusexp_expamp	R	0.02	24.21	87	linear	R	0.02	6.81
38	sin_plusexp_expamp	R	0.02	24.04	88	linear	R	0.02	5.61
39	sin_plusexp_expamp	R	0.02	25.08	89	linear	R	0.02	4.70
40	sin_plusexp_expamp	R	0.02	24.99	90	linear	R	0.02	4.00
41	sin_pluslin	R	0.02	42.55	91	exponential	R	0.02	44.44
42	sin_pluslin	R	0.02	42.75	92	exponential	R	0.02	28.03
43	sin_pluslin	R	0.02	42.99	93	exponential	R	0.02	19.27
44	sin_pluslin	R	0.02	43.23	94	exponential	R	0.02	14.06
45	sin_pluslin	R	0.02	43.48	95	exponential	R	0.02	10.71
46	sin_pluslin	R	0.02	43.59	96	exponential	R	0.02	8.43
47	sin_pluslin	R	0.02	43.71	97	exponential	R	0.02	6.81
48	sin_pluslin	R	0.02	43.83	98	exponential	R	0.02	5.61
49	sin_pluslin	R	0.02	43.80	99	exponential	R	0.02	4.70
50	sin_pluslin	R	0.02	43.87	100	exponential	R	0.02	4.00

Legend

O/R

sin_linamp or sin_expamp
 sin_pluslin or sin_plusexp
 sin_pluslin_linamp
 sin_plusexp_expamp

Ordered/Random

Sinusoid with linearly or exponentially increasing amplitude
 Sinusoid plus a linear or exponential average trend
 Sinusoid with linearly increasing amplitude and linear average trend
 Sinusoid with exponentially increasing amplitude and exponential average trend