PPSN 2020-21

S. No.	Entry code	Entry	Stem	rust	~	Leaf			Strip	e rust
A X77D			ACT	TIC		uth		orth	ACT	TTC
AVT	 Iill Zone (NHZ)		ACI	HS	ACI	HS	ACI	HS	ACI	HS
1	NHRFZ 2001	VL2041	5.8	20S	5.6	30S	9.3	30S	10.7	40S
2	NHRFZ 2001	HS562 (C)	14.5	40S	10.5	60MS	23.6	60S	11.4	60S
3	NHRFZ 2002	HPW349 (C)	8.5	30MS	10.5	40S	11.1	20S	8.2	60S
4	NHRFZ 2004	HS507 (C)	3.5	10MS	5.1	30S	15	60S	7	40S
5	NHRFZ 2005	VL907 (C)	3.4	15MS	4.8	20S	6.4	20S	8	20S
	Vestern Plain Zone (3.4	131113	7.0	205	0.4	205	0	200
6	NWTS 101	WH1105 (C)	9.5	30MS	7.8	20S	12.9	40S	16	40S
7	NWTS 102	DBW187 (C)	12	40S	9.5	60S*	5.9	30S	3.2	10S
8	NWTS 103	HD3349	13	40S	2.7	20MS	2.1	10S	5.2	40S
9	NWTS 104	PBW876 ^B	6.5	30S	4.0	30MS	4.3	20S	7.3	60S
10	NWTS 105	HD3406 ^M	27.3	80S	9.0	40S	3.9	20S	16	60S
11	NWTS 106	DBW222 (C)	23.9	60S	5.8	40S	5.1	30S	20.2	60S
12	NWTS 107	DBW313 [#]	12.4	40S	11.0	60S*	7.9	40S	12.9	40S
13	NWTS 108	HD2967 (C)	9	30S	5.8	40S	2.1	10S	35.6	60S
14	NWTS 109	PBW826	6.9	40MS	2.0	10S	12.3	40S	4.6	10MS
15	NWTS 110	RAJ4548 [#]	6.3	20S	3.8	20S	7.2	20S	3.5	30MR
16	NWTS 111	HD3354	15.3	40S	12.9	60S	5	20S	8.9	20S
17	NWTS 112	WH1283	10.8	40MS	3.8	20MS	7.1	30S	4.5	60MR
18	NWTS 113	HD3086 (C)	31.6	80S	19.6	60S	13.6	40S	8.7	40S
19	NWLS 201	JKW261	39.3	80S	8.3	40S	2.6	10MS	12.7	60S
20	NWLS 202	WH1124 (C)	5	20MS	12.9	40S	13.7	40S	43.6	60S
20A	Infector	Infector	75	100S	82.9	100S	75.7	100S	67	90S
21	NWLS 203	PBW771 (C)	5.1	20MS	5.8	20S	3.6	10S	7.4	30S
22	NWLS 204	HD3059 (C)	11	40MS	4.9	15MS	4	10S	26.3	60S
23	NWLS 205	PBW834	16.3	40S	8.6	40S	8.6	40S	10.6	20S
24	NWLS 206	DBW173 (C)	3.8	10MS	3.4	20S	0.7	5S	2.8	10S
25	NWRI 301	HUW838#*	9.1	40S	5.8	40S	1.6	5S	5.9	20S
26	NWRI 302	NW7096	3.8	10S	11.0	40S	8	20S	14.1	60S
27	NWRI 303	DBW321	27.8	80S	18.0	60S	16.6	40S	7.7	60S
28	NWRI 304	K1910	6.1	40MR	5.4	30MS	4.6	10S	15.9	40S
29	NWRI 305	HI1654	2.5	10MS	1.1	10MR	0.7	5S	4.1	20S
30	NWRI 306	NIAW3170 (C)	3.6	10MS	3.5	10S	4.3	20S	19.5	40S
31	NWRI 307	PBW838	9.8	30S	6.7	20S	17.1	60S	6.7	40MS
32	NWRI 308	DBW296*	3.8	20S	1.2	15MR	2.9	10S	2.4	20MR
33	NWRI 309	HI1628 (C)	8	30MS	6.7	20S	2.9	20S	7.3	20S
34	NWRI 310	HD3369	6.3	20S	1.8	5S	3.6	20S	8.2	30S
35	NWRI 311	WH1142 (C)	2.8	20MR	12.3	60S*	13.7	20S	6.7	20S
36	NWRI 312	UP3062	5.5	60MR	11.7	60S*	7.1	20S	3.6	20S
37	NWRI 313	HD3368	12.5	60S	6.6	40S	5.7	20S	2.2	10MS
38	NWRI 314	HD3043 (C)	5.8	20S	24.0	60S	22.6	60S	10.1	40S
39	NWRI 315	PBW644 (C)	18.3	60S	23.1	80S	12.9	30S	8.9	20S
40	NWRI 316	HI1653	13.5	60S	13.2	60S	5.9	20S	5.6	20S
40A	Infector	Infector	77.5	100S	82.9	100S	74.3	100S	67	90S
41	NWRI 317	PBW848	11.8	60S	11.7	30S	12.9	60S	17.5	60S
	astern Plain Zone (I									
42	NETS 101	HD2733 (C)	4.8	10MS	16.9	30S	13.7	40S	40.6	60S
43	NETS 102	HD3249 (C)	9.1	40S	9.5	60S*	2.7	10S	7.3	30S
44	NETS 103	DBW187 (C)	6.2	20MS	6.7	30S	2.7	10S	4.7	20S
45	NETS 104	HD3406 ^M	22	60S	6.7	30S	0.9	5S	15.5	60S
46	NETS 105	HD3411 ^M	33.3	60S	14.5	30S	12.9	30S	11.6	40S
47	NETS 106	DBW39 (C)	2.8	10S	8.6	50S*	2.9	20S	21.6	60S
48	NETS 107	HD2967 (C)	4.5	20S	4.3	20MS	2.2	5S	28	60S
49	NETS 108	PBW826 [#]	4.5	20MS	15.6	80S	5.8	30S	5	20MS
50	NETS 109	HD3086 (C)	30.8	80S	21.3	60S	19.3	60S	9.5	40MS
51	NELS 201	DBW317	6.3	20MS	20.0	60S	15	40S	7	40S
52	NELS 202	DBW318	1.6	10MS	9.2	40S	4.3	20S	1.8	10S
53	NELS 203	PBW835	10.5	40MS	10.0	40S	3.4	15S	1	10S

E 1	NELC 204	III1562 (C)	2.1	20MD	2.4	201/40	1.2	200	20.9	80S
54	NELS 204	HI1563 (C)	2.1	20MR	2.4	20MS	4.3	20S	39.8	
55	NELS 205	DBW107 (C)	2.1	10MS	10.6	60S	2.7	15S	13.4	60S
56	NELS 206	PBW834	13.8	60S	10.9	40S	5	20S	11.3	40S
57	NELS 207	UP3060	0.8	5MS	1.5	15MR	3.5	15S	2.1	10S
58	NELS 208	HD3118 (C)	24.9	60S	27.1	80S	24.3	60S	2.6	20S
59	NELS 209	HI1621 (C)	14.6	40S	17.7	60S	12.3	40S	2.9	20S
60	NELS 210	DBW316	5.1	20MS	3.5	20S	5.1	20S	1.6	10MS
60A	Infector	Infector	80	100S	77.1	100S	74.3	100S	67	90S
61	NELS 211	PBW833	28.5	60S	6.2	20S	2.3	10S	6.4	40S
62	NELS 212	HD3360	35.5	80S	21.5	60S	20	40S	5.9	20S
63	NERI 301	HI1653	16	40S	12.6	60S	7.9	20S	6.3	20S
64	NERI 302	DBW322	36.6	80S	21.3	80S	17.5	40S	15.2	40S
									12	40S
65	NERI 303	HI1612 (C)	22.8	60S	3.7	20MS	2.9	20S		
66	NERI 304	DBW252 (C)	16.5	40S	4.4	20MS	5.9	20S	10.1	20S
67	NERI 305	DBW321	26.3	80S	14.9	40S	16.7	40S	2.7	10S
68	NERI 306	HD3368 [#]	8.9	40MS	0.9	15MR	0.4	TS	3.3	10S
69	NERI 307	HI1654	5.3	20MS	3.1	15MS	2.9	15S	3.6	20S
70	NERI 308	HD3293(I) (C)	18.3	60S	10.6	20S	10	40S	8.2	40S
71	NERI 309	WH1281	12.3	40S	8.9	40MS	15.7	60S	9	30S
72	NERI 310	PBW848 [#]	8	30MS	12.3	30MS	7.9	20S	9.5	40S
73	NERI 311	HD3171 (C)	5.1	20MS	20.0	60S	14.3	60S	19.9	40S
74	NERI 312	HD3369 [#]	6.6	40S	3.2	40MR	6.1	40S	4.1	40MS
75	NERI 313	K1317 (C)	3.8	20MS	5.5	20MS	3	20S	8.1	40MS
76	NERI 314	UP3062	4.6	10MS	9.5	20NS 20S	7.5	20S	5.2	40MS
		UF3002	4.0	101/15	9.3	203	7.3	203	3.2	40M3
	l Zone (CZ)	1110022/1\M	2.6	10) (0	6.2	200	2.0	100	5.6	400
77	CZTS 101	HI8833(d) ^M	2.6	10MS	6.3	20S	2.9	10S	5.6	40S
78	CZTS 102	GW322 (C)	8.3	30S	7.3	20MS	8.6	20S	36	60S
79	CZTS 103	MP3535	3.1	20MS	4.9	20S	4.5	20S	44.7	60S
80	CZTS 104	GW523	9.3	60S*	4.0	20MS	5.1	20MS	37	60S
80A	Infector	Infector	82.5	100S	80.0	100S	72.9	100S	73	90S
81	CZTS 105	GW513*	3.3	10MS	3.2	20S	7.3	20S	52.5	80S
82	COMO 106	TTT1 60 6%	2.2	100		201.60	7	400	40.0	COC
04	CZTS 106	HI1636*	3.3	10S	4.0	20MS	5.7	40S	40.8	60S
82	CZTS 106 CZTS 107		3.3	10S 20S	4.0	20MS 20S	3.6	40S 20MS	9.7	60S
83	CZTS 107	HI8832(d) ^M	3.6	20S	4.5	20S	3.6	20MS		
83 84	CZTS 107 CZTS 108	HI8832(d) ^M MACS6768	3.6 3.8	20S 20MS	4.5 6.4	20S 30S	3.6 4.1	20MS 20S	9.7 56	60S 80S
83 84 85	CZTS 107 CZTS 108 CZTS 109	HI8832(d) ^M MACS6768 HI1544 (C)	3.6 3.8 5.3	20S 20MS 30S	4.5 6.4 5.8	20S 30S 40MS	3.6 4.1 1.4	20MS 20S 10S	9.7 56 53	60S 80S 80S
83 84 85 86	CZTS 107 CZTS 108 CZTS 109 CZTS 110	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B	3.6 3.8 5.3 4.5	20S 20MS 30S 20S	4.5 6.4 5.8 4.1	20S 30S 40MS 30MS	3.6 4.1 1.4 1.6	20MS 20S 10S 10S	9.7 56 53 56	60S 80S 80S 80S
83 84 85 86 87	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C)	3.6 3.8 5.3 4.5 13.3	20S 20MS 30S 20S 30S	4.5 6.4 5.8 4.1 14.0	20S 30S 40MS 30MS 60S	3.6 4.1 1.4 1.6 0.9	20MS 20S 10S 10S 5S	9.7 56 53 56 2.4	60S 80S 80S 80S 10MS
83 84 85 86 87 88	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 112	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C)	3.6 3.8 5.3 4.5 13.3 4.7	20S 20MS 30S 20S 30S 10S	4.5 6.4 5.8 4.1 14.0 6.8	20S 30S 40MS 30MS 60S 20MS	3.6 4.1 1.4 1.6 0.9 1.4	20MS 20S 10S 10S 5S 10MS	9.7 56 53 56 2.4 6.4	60S 80S 80S 80S 10MS 40MS
83 84 85 86 87 88 89	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 112 CZTS 113	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650	3.6 3.8 5.3 4.5 13.3 4.7 2.8	20S 20MS 30S 20S 30S 10S 10S	4.5 6.4 5.8 4.1 14.0 6.8 1.0	20S 30S 40MS 30MS 60S 20MS 15MR	3.6 4.1 1.4 1.6 0.9 1.4 1.1	20MS 20S 10S 10S 5S 10MS 10MS	9.7 56 53 56 2.4 6.4 27.4	60S 80S 80S 80S 10MS 40MS
83 84 85 86 87 88 89	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 112 CZTS 113 CZLS 201	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1	20S 20MS 30S 20S 30S 10S 10S 20S	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8	20S 30S 40MS 30MS 60S 20MS 15MR 80S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7	20MS 20S 10S 10S 5S 10MS 10MS	9.7 56 53 56 2.4 6.4 27.4 44	60S 80S 80S 80S 10MS 40MS 60S
83 84 85 86 87 88 89 90	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8	20S 20MS 30S 20S 30S 10S 10S 20S 30MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6	60S 80S 80S 80S 10MS 40MS 60S 60S
83 84 85 86 87 88 89 90 91	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39	60S 80S 80S 80S 10MS 40MS 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20S 20MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1	20S 20MS 30S 20S 30S 10S 10S 20S 20MS 20S 20MS 60S*	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S*	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8	20S 20MS 30S 20S 30S 10S 10S 20S 20MS 20S 20MS 60S*	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S*	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)*	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S
83 84 85 86 87 88 89 90 91 92 93 94 95 96	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)*	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 80S* 10MS 5MR	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 16.7 2.1	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8	20S 20MS 30S 20S 30S 10S 10S 20S 20MS 20S 20MS 60S* 20MS 10MS 15MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS 5MR 10MR 20S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 5S 60S 5S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 60S 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 10MS 15MS 10MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS 5MR 10MR 20S 30S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 5S 60S* 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 60S 10MS 80S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3	20S 20MS 30S 20S 30S 10S 10S 10S 20S 20MS 20MS 60S* 20MS 10MS 10MS 15MS 10MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR 10MS 5MR 10MR 20S 30S 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 304 Infector CZRI 305	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10MS 10MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS 5MR 10MR 20S 30S 40S 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 5S 100S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 60S 50S 50S 50S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1	20S 20MS 30S 20S 30S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 60S* 10OS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MS 5MR 10MR 20S 30S 40S 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5	20MS 20S 10S 10S 10MS 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 60S 50S 50S 50S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 306 CZRI 307	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40OS 40S	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 5MR 10MR 20S 30S 40S 40S 20MS 20MS 20MS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.7	20MS 20S 10S 10S 5S 10MS 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1 10.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 50S 50S 5MS 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 307 CZRI 307 CZRI 307 CZRI 308	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5	20S 20MS 30S 20S 30S 10S 10S 10S 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 60S* 10MS 10S 10S 10S 10S 10S 10S 10S 10	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 5MR 10MR 20S 30S 40S 10OS 20MS 10OS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.9	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 5S 60S* 20S 5S 10MS 10MR 5MR 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 50S 60S 60S 60S 40S 40S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 305 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 20MS 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40S 10MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.5	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 5MR 10MR 20S 30S 40S 10OS 20MS 10OS 20MS	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1	20MS 20S 10S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 5S 60S* 20S 5S 100S 10MR 5MR 5MR 10S 15S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7 51.5	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 50S 50S 40S 40MS 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 305 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3	20S 20MS 30S 20S 30S 10S 10S 10S 20S 20MS 20MS 60S* 20MS 10MS 10MS 10MS 10MS 10MS 10MS 10MS 10MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 1.5 1.0	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR 10MR 20S 30S 40S 20MS 10MS 5MR 10MR 20S 30S 40S 40S 40S 40S 40S 40S 40S 4	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.9 4.1 0.7 2.1 0.7 2.1 0.7 2.1 0.7 2.1 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S* 20S 5S 100S 10MR 5MR 5MR 10S 15S 0	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 60S 50S 60S 40S 40MS 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 307 CZRI 306 CZRI 307 CZRI 307 CZRI 309 CZRI 309 CZRI 310 CZRI 311	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 1.8 3.5 1.3 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 10MS 10MS 10MS 10MS 10MS 40MR 10MS 40MS 10MS 40MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 1.5 1.0 2.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR 10MS 5MR 10MR 20S 30S 40S 10OS 20MS 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S* 20S 5S 100S 10MR 5MR 5MR 10S 15S 0 40S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS 90S 5MS 60S 40S 40S 40MS
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 311	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C) MP3288 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3 2.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40S 10MS 40MS 40MS 20S 20MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.0 2.2 7.7 7.4 77.1 2.2 7.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MR 20S 30S 40S 20MS 10MS 5MR 10MR 20S 30S 40S 20MS 40S 40S 40S 40S 40S 5MR 10MR 20S 30S 40S 40S 40S 40S 40S 40S 40S 4	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1 0.7	20MS 20S 10S 10S 10MS 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR 5MR 10S 15S 0 40S 10S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8 26	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS 90S 5MS 60S 40MS 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108 109	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 312 CZRI 312	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 1.8 3.5 1.3 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 10MS 10MS 10MS 10MS 10MS 40MR 10MS 40MS 10MS 40MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 1.5 1.0 2.9	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR 10MS 5MR 10MR 20S 30S 40S 10OS 20MS 40S	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1	20MS 20S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S* 20S 5S 100S 10MR 5MR 5MR 10S 15S 0 40S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS 90S 5MS 60S 40S 40S 40MS
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108 109 Penins	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 312 CZRI 313 ular Zone (PZ)	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C) MP3288 (C) DDW55(d)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3 2.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40MR 10MS 40S 40S 20S 20MS 2	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.0 2.2 7.7 7.4 77.1 2.2 7.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MR 20S 30S 40S 20MS 10MS 5MR 10MR 20S 30S 40S 20MS 40S 40S 40S 40S 40S 5MR 10MR 20S 30S 40S 40S 40S 40S 40S 40S 40S 4	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1 0.7	20MS 20S 10S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR 5MR 10S 15S 0 40S 10S 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8 26	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS 90S 5MS 60S 40MS 60S 60S
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108 109	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 305 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 311 CZRI 312 CZRI 313 ular Zone (PZ) PZTS 101	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C) MP3288 (C)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3 2.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40S 10MS 40MS 40MS 20S 20MS	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.0 2.2 7.7 7.4 77.1 2.2 7.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MR 20S 30S 40S 20MS 10MS 5MR 10MR 20S 30S 40S 20MS 40S 40S 40S 40S 40S 5MR 10MR 20S 30S 40S 40S 40S 40S 40S 40S 40S 4	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1 0.7	20MS 20S 10S 10S 10MS 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR 5MR 10S 15S 0 40S 10S	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8 26	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 50S 50S 40S 5MS 60S 60S 60S 60S 60S 60S 60S 60S 60S 60
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108 109 Penins	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 306 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 312 CZRI 313 ular Zone (PZ)	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C) MP3288 (C) DDW55(d)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3 2.8 7.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 30MS 20S 20MS 60S* 20MS 10MS 15MS 10MS 10S 40MR 10OS 40MR 10MS 40S 40S 20S 20MS 2	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 80S* 10MR 20S 30S 40S 10OS 20MS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S 40	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1 0.7	20MS 20S 10S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR 5MR 10S 15S 0 40S 10S 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8 26 17.4	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 60S 50S 50S 40S 50S 60S 60S 60S 60S 60S 60S 60S 60S 60S 6
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 100A 101 102 103 104 105 106 107 108 109 Peninsi 110	CZTS 107 CZTS 108 CZTS 109 CZTS 110 CZTS 111 CZTS 111 CZTS 112 CZTS 113 CZLS 201 CZLS 202 CZLS 203 CZLS 204 CZLS 205 CZLS 206 CZLS 206 CZLS 207 CZRI 301 CZRI 302 CZRI 302 CZRI 303 CZRI 304 Infector CZRI 305 CZRI 305 CZRI 306 CZRI 307 CZRI 307 CZRI 308 CZRI 309 CZRI 310 CZRI 311 CZRI 311 CZRI 312 CZRI 313 ular Zone (PZ) PZTS 101	HI8832(d) ^M MACS6768 HI1544 (C) HI1667 ^B HI8498(d) (C) HI8713(d) (C) HI1650 MP4010 (C) HD2864 (C) MP3336 (C) HD2932 (C) HI1634(I) (C) HD3407 ^M CG1029(I) (C) HI8823(d)* GW528 DDW47(d) (C) DBW326 Infector UAS475(d) HI8627(d) (C) NIAW3851 HI8830(d) CG1036 HI1655 DBW110 (C) MP3288 (C) DDW55(d) WHD965(d)	3.6 3.8 5.3 4.5 13.3 4.7 2.8 5.1 5.8 5.8 8 10.1 6 2.8 3.5 1.8 3.5 4.3 77.5 11.3 3.1 14.5 2.5 1.8 1.3 8.3 2.8 7.8	20S 20MS 30S 20S 30S 10S 10S 10S 20S 20MS 20MS 60S* 20MS 10MS 15MS 10MS 10MS 10MS 10MS 40MR 10MS 40MS 20	4.5 6.4 5.8 4.1 14.0 6.8 1.0 15.8 4.1 11.7 24.9 13.3 2.2 0.5 0.9 3.2 7.7 7.4 77.1 3.5 4.3 4.1 2.4 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	20S 30S 40MS 30MS 60S 20MS 15MR 80S 20MS 40S 40S 40S 5MR 10MR 20S 30S 40S 10OS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S 5MR 10MR 20S 30S 40S 40S 40S 40S 40S 40S 40S 4	3.6 4.1 1.4 1.6 0.9 1.4 1.1 0.7 5 12.6 24.9 4 4 16.7 2.1 9.4 3.4 2.1 77.1 0.6 0.5 0.4 2.3 4.1 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	20MS 20S 10S 10S 10S 5S 10MS 10MS 50S 20S 40S 60S 20S 60S 5S 60S* 20S 10MR 5MR 10S 15S 0 40S 10S 5MR	9.7 56 53 56 2.4 6.4 27.4 44 43.6 39 40.8 35.6 1.6 51.2 11.4 38.8 3.2 73 1.1 9.1 10.8 8.7 51.5 25.3 24.8 26 17.4	60S 80S 80S 80S 10MS 40MS 60S 60S 60S 60S 60S 10MS 80S 60S 60S 15S 20MS 90S 5MS 60S 40MS 60S 60S

113	PZTS 104	MACS4100(d)	6.5	20S	5.7	30MS	0.2	TS	8.8	60S
114	PZTS 105	MACS3949(d) (C)	7	20S	4.9	20S	0.2	5MR	2.7	20MR
115	PZTS 106	DDW53(d)	14	40S	5.3	20MS	1.2	10MS	2.5	20MR
	PZTS 100	NIDW1345(d)	6.6	20MS	5.9	20NS 20S	3.9	10MS	3.1	20MR
116	PZTS 107						3.9	20S	18.7	60S
117	PZTS 108	MACS6222 (C)	4.6	10MS	4.0	20MS		10MS	9.4	40S
118		MACS4106(d)	6	20MS	7.1	40MS	1.3		9.4	40S
119	PZTS 110	NIDW1348(d)	16.5	60S	5.3	20S	3	10S		
120	PZTS 111	HI8828(d)	3.1	10MS	2.5	20MR	0.9	5S	3.4	10S
120A	Infector	Infector	77.5	100S	80.0	100S	72.9	100S	67	90S
121	PZTS 112	GW322 (C)	9.3	40MS	5.7	20S	12.2	40S	36.4	60S
122	PZTS 113	HI8827(d)	3.8	10MS	6.3	20S	1.3	5S	9.6	40S
123	PZTS 114	DDW48(d)(I) (C)	13	40MS	3.9	10MS	3.1	15S	3.2	10S
124	PZLS 201	HD3090 (C)	4.8	10S	5.1	20S	3.3	15S	37.4	60S
125	PZLS 202	HI1633(I) (C)	1.9	10MS	1.0	15MR	0.2	TS	32.3	60S
126	PZLS 203	HD2932 (C)	14.3	60S	28.3	80S	18.6	60S	39.8	60S
127	PZLS 204	RAJ4083 (C)	6.3	30S	7.3	20MS	10.1	40S	20.8	60S
128	PZLS 205	DBW320	13.8	60S	15.7	80S	13.1	40S	8.9	40S
129	PZLS 206	MACS6774	14.5	40S	8.7	40S	8.9	40S	37.6	60S
130	PZLS 207	NWS2180 [#]	17.8	60S	5.7	20S	0.8	5S	11.2	40S
131	PZLS 208	HI1651	2.1	10MS	4.0	20S	3.6	10S	36.8	60S
132	PZRI 301	MP1358*	8.5	30MS	6.1	40S	1.7	10S	9.5	40S
133	PZRI 302	MACS6755	7.3	40MS	10.5	60MS	4.5	10S	36.8	60S
134	PZRI 303	HI1605 (C)	15.6	60S	20.3	80S	12.9	60S	17.4	40S
135	PZRI 304	MACS6753	4.5	40MR	2.7	20MS	8.4	20S	40.6	80S
136	PZRI 305	AKDW2997-16(d) (C)	21.8	60S	11.5	60S	4.1	20S	7.9	40S
137	PZRI 306	NIDW1149(d)(I) (C)	4.8	20MS	3.2	20MS	0.7	5S	0.7	10MR
138	PZRI 307	NIAW3170 (C)	5.7	20S	2.7	10MS	1.3	5S	20.3	60S
139	PZRI 308	UAS446(d) (C)	5.5	40MR	3.5	20MS	1.3	5S	1	10MR
140	PZRI 309	DBW325	22.8	60S	1.5	20MR	1.6	5S	5.8	20S
140A	Infector	Infector	80	100S	77.1	100S	72.9	100S	69	90S
141	PZRI 310	UAS3014	18.3	40S	6.3	30MS	5	10S	8.2	20S
SPL – D	Dicoccum									
~	reoccum									
142	SPL-DIC 101	MACS5058	4.5	20MS	1.5	10MS	4	20S	23.7	60S
		MACS5058 MACS6222(a) (C)	4.5 3.2	20MS 10MS	1.5 4.3	10MS 20S	4 1.7	20S 10S	23.7	60S 60S
142	SPL-DIC 101									
142 143	SPL-DIC 101 SPL-DIC 102	MACS6222(a) (C)	3.2	10MS	4.3	20S	1.7	10S	16	60S
142 143 144	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104	MACS6222(a) (C) DDK1029 (C) DDK1061	3.2 3.3	10MS 20MS 20S	4.3 5.8 2.9	20S 40S 20S	1.7 2.7 5.7	10S 10S	16 18.5	60S 60S
142 143 144 145	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C)	3.2 3.3 5.6 4.4	10MS 20MS	4.3 5.8	20S 40S	1.7 2.7 5.7 1.5	10S 10S 20S	16 18.5 25.2	60S 60S 60S
142 143 144 145 146	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057	3.2 3.3 5.6 4.4 9.1	10MS 20MS 20S 30S 40S	4.3 5.8 2.9 1.2 2.4	20S 40S 20S 10MS 20MS	1.7 2.7 5.7	10S 10S 20S 10S	16 18.5 25.2 18.8	60S 60S 60S 60S
142 143 144 145 146 147 148	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C)	3.2 3.3 5.6 4.4	10MS 20MS 20S 30S	4.3 5.8 2.9 1.2	20S 40S 20S 10MS	1.7 2.7 5.7 1.5 3	10S 10S 20S 10S 10S	16 18.5 25.2 18.8 31.7	60S 60S 60S 60S 60S
142 143 144 145 146 147 148 SPL - F	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060	3.2 3.3 5.6 4.4 9.1 7.3	10MS 20MS 20S 30S 40S 30S	4.3 5.8 2.9 1.2 2.4 2.9	20S 40S 20S 10MS 20MS 20S	1.7 2.7 5.7 1.5 3 2.9	10S 10S 20S 10S 10S	16 18.5 25.2 18.8 31.7	60S 60S 60S 60S 60S
142 143 144 145 146 147 148 SPL – H	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328*	3.2 3.3 5.6 4.4 9.1 7.3	10MS 20MS 20S 30S 40S 30S 40MS	4.3 5.8 2.9 1.2 2.4 2.9	20S 40S 20S 10MS 20MS 20S	1.7 2.7 5.7 1.5 3 2.9	10S 10S 20S 10S 10S 10S	16 18.5 25.2 18.8 31.7 19.6	60S 60S 60S 60S 60S 60S
142 143 144 145 146 147 148 SPL – H 149	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372	3.2 3.3 5.6 4.4 9.1 7.3	10MS 20MS 20S 30S 40S 30S 40MS 60S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7	20S 40S 20S 10MS 20MS 20S 20S 20S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9	10S 10S 20S 10S 10S 10S 5S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3	60S 60S 60S 60S 60S 60S 40S 40S
142 143 144 145 146 147 148 SPL – F 149 150 151	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6	20S 40S 20S 10MS 20MS 20S 20S 60S*	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6	10S 10S 20S 10S 10S 10S 10S 40S	16 18.5 25.2 18.8 31.7 19.6	60S 60S 60S 60S 60S 60S 40S 40S 20MS
142 143 144 145 146 147 148 SPL – F 149 150 151	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327*	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S*	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7	10S 10S 20S 10S 10S 10S 10S 20S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3	60S 60S 60S 60S 60S 60S 40S 40S
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252*	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7	20S 40S 20S 10MS 20MS 20S 20S 60S* 20MS 30MS	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7	10S 10S 20S 10S 10S 10S 10S 20S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8	60S 60S 60S 60S 60S 60S 40S 20MS
142 143 144 145 146 147 148 SPL - H 150 151 152 153 154	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S* 20MS 20MS 20S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9	10S 10S 20S 10S 10S 10S 5S 10S 40S 20S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1	60S 60S 60S 60S 60S 60S 40S 20MS 60S 60S*
142 143 144 145 146 147 148 SPL – H 150 151 152 153 154 155	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S* 20MS 30MS 20S 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4	10S 10S 20S 10S 10S 10S 5S 10S 40S 20S 10S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1	60S 60S 60S 60S 60S 60S 40S 20MS 60S* TS
142 143 144 145 146 147 148 SPL – H 149 150 151 152 153 154 155 156	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 107	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332*	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S* 20MS 30MS 20S 15MR 40S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1	10S 10S 20S 10S 10S 10S 5S 10S 40S 20S 10S 10MS	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8	60S 60S 60S 60S 60S 60S 40S 20MS 60S 60S* TS 5S
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3	10S 10S 20S 10S 10S 10S 10S 20S 10S 10S 10MS 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1	60S 60S 60S 60S 60S 60S 40S 20MS 60S 60S* TS 5S 20S 40S
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157 158	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5	20S 40S 20S 10MS 20MS 20S 60S* 20MS 30MS 20S 15MR 40S 80S 60S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7	10S 10S 20S 10S 10S 10S 10S 20S 10S 10S 10S 10S 10S 5S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2	60S 60S 60S 60S 60S 60S 40S 20MS 60S* TS 5S 20S 40S 60S*
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157 158 159	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 20S 60S 80S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6	10S 10S 20S 10S 10S 10S 10S 20S 10S 10S 10S 10S 5S 6OS	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7	60S 60S 60S 60S 60S 60S 40S 20MS 60S* TS 5S 20S 40S 60S*
142 143 144 145 146 147 148 SPL – H 150 151 152 153 154 155 156 157 158 159 160	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333*	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3	10S 10S 20S 10S 10S 10S 10S 20S 10S 10S 10MS 10S 5S 60S 15S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3	60S 60S 60S 60S 60S 60S 40S 20MS 60S* TS 5S 20S 40S 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL – H 150 151 152 153 154 155 156 157 158 159 160 160A	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 Infector	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0	20S 40S 20S 10MS 20MS 20S 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 60S	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9	10S 10S 20S 10S 10S 10S 10S 5S 10S 40S 20S 10S 10S 10S 5S 10S 10S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL – H 149 150 151 152 153 154 155 156 157 158 159 160 160A 161	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 30MS	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9	10S 10S 20S 10S 10S 10S 10S 10S 10S 10S 10S 10S 1	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 20S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 30MS 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1	10S 10S 20S 10S 10S 10S 10S 10S 20S 10S 10MS 10S 5S 60S 15S 10OS	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 0.9	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 10OS 30MS 15MR 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 20S 10S 10S 10S 10S 5S 60S 15S 10OS 20S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL – F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 115 SPL-HYPT 116	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8	10MS 20MS 20S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 30MS 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1	10S 10S 20S 10S 10S 10S 10S 10S 20S 10S 10MS 10S 5S 60S 15S 10OS	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL - F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 116 II-HYPT 116 II-HYT	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 20S 20S 80S 80S 80S 80S 80S 20S 20S 40MS	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 0.9 2.3	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 10OS 30MS 15MR 15MR 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 10S 20S 10S 10MS 10S 5S 60S 15S 10OS 20S 10S 20S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1	60S 60S 60S 60S 60S 60S 40S 20MS 60S* TS 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL - H 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C 165	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 107 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 116 I - HYT HYT 201	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 20S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0 0.9 2.3	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 100S 30MS 15MR 15MR 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 10S 20S 10S 10MS 10MS 10S 5S 60S 15S 10OS 20S 10S 5S 60S 15S 10S 5S 60S 15S 10S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1 4	60S 60S 60S 60S 60S 60S 40S 40S 20MS 60S* 7S 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 10MS
142 143 144 145 146 147 148 SPL - H 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C 165 166	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 104 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 116 I - HYT HYT 201 HYT 202	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C)	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 0.9 2.3	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 100S 30MS 15MR 15MR 15MR 15MR 15MR	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 10S 10S 10S 1	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1 4	60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S* 60S*
142 143 144 145 146 147 148 SPL - F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C 165 166 167	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 109 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 115 SPL-HYPT 116 I - HYT HYT 201 HYT 202 HYT 203	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C) HD3412 DBW374	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0 0.9 2.3	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 100S 30MS 15MR 15MR 15MR 15MR 15MS	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 10S 40S 20S 10S 10S 10S 5S 60S 15S 10OS 20S 10S 5S 60S 15S 10S 10S 10S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1 4	60S 60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S* 10MS 20MS 40S
142 143 144 145 146 147 148 SPL - F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C 165 166 167 168	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 105 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 108 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 115 SPL-HYPT 116 I - HYT HYT 201 HYT 202 HYT 203 HYT 204	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C) HD3412 DBW374 HD3403	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0 0.9 2.3 14.4 7.5 20.9 14.6	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 60S 60S 60S 50S 60S 60S 80S 30MS 30MS 30MS 50S 60S 60S 80S 60S 60S 60S 60S 60S 60S 60S 6	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9 1.6 2.9 1.5 1.6 2.9 1.6 2.9 1.7 1.8 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	10S 10S 20S 10S 10S 10S 10S 10S 10S 10S 1	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1 4 1.8 4.5 5.4 12.1	60S 60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S* 60S* 60S* 40S 40S 40S 20MS 40S 20MS 40S 20MS 40S 20MS 60S 40S 40S 20MS 60S 60S 40S 40S 40S 40S 40S 40S 40S 4
142 143 144 145 146 147 148 SPL - F 149 150 151 152 153 154 155 156 157 158 159 160 160A 161 162 163 164 SPL - C 165 166 167	SPL-DIC 101 SPL-DIC 102 SPL-DIC 103 SPL-DIC 104 SPL-DIC 105 SPL-DIC 106 SPL-DIC 107 IYPT SPL-HYPT 101 SPL-HYPT 102 SPL-HYPT 103 SPL-HYPT 106 SPL-HYPT 106 SPL-HYPT 107 SPL-HYPT 109 SPL-HYPT 109 SPL-HYPT 110 SPL-HYPT 111 SPL-HYPT 111 SPL-HYPT 112 Infector SPL-HYPT 113 SPL-HYPT 114 SPL-HYPT 115 SPL-HYPT 115 SPL-HYPT 116 I - HYT HYT 201 HYT 202 HYT 203	MACS6222(a) (C) DDK1029 (C) DDK1061 HW1098 (C) MACS5057 DDK1060 DBW328* DBW372 DBW370 DBW327* WH1252* PBW874 HD3410 DBW332* PBW873 DBW371 HD3086 (C) DBW333* Infector PBW872 DBW187(I) (C) WH1270(I) (C) DBW303(I) (C) HD3412 DBW374	3.2 3.3 5.6 4.4 9.1 7.3 12.2 19.8 36 5.3 12.5 23.3 6.8 20 33.3 26.5 37 25.5 80 9.7 8 4.3 5.6	10MS 20MS 20S 30S 40S 30S 40S 30S 40MS 60S 80S 20MS 20S 60S 80S 80S 80S 80S 80S 80S 80S 80S 80S 8	4.3 5.8 2.9 1.2 2.4 2.9 5.5 11.7 9.6 6.0 4.7 6.4 0.9 7.4 15.8 11.5 18.6 12.9 80.0 4.0 1.0 0.9 2.3	20S 40S 20S 10MS 20MS 20S 60S* 60S* 20MS 30MS 20S 15MR 40S 80S 60S 60S 60S 100S 30MS 15MR 15MR 15MR 15MR 15MS	1.7 2.7 5.7 1.5 3 2.9 0.7 2.9 8.6 5.7 2.9 2.4 1.1 1.6 3.3 0.7 18.6 4.3 72.9 5.1 1.6 2.9	10S 10S 20S 10S 10S 10S 10S 10S 40S 20S 10S 10S 10S 5S 60S 15S 10OS 20S 10S 5S 60S 15S 10S 10S 10S 10S	16 18.5 25.2 18.8 31.7 19.6 6.1 13.3 6.3 10 6.8 0.1 1.8 7.1 5.1 8.2 8.7 7.3 69 14.7 5.9 2.1 4	60S 60S 60S 60S 60S 60S 60S 40S 20MS 60S* 5S 20S 40S 60S* 60S* 60S* 60S* 60S* 60S* 10MS 20MS 40S

173	171	HYT 207	PBW867	6.5	20S	0.9	15MR	0.2	TS	0	R
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198 SPL-AST 110 DBW365 27 80S 17.4 60S 5.7 40S 7.6 60S 199 SPL-AST 110 K1805 12 40S 9.5 40MS 0.7 5S 2.4 20MS 200 SPL-AST 111 KRL19 (C) 16.9 80S 31.3 80S 13.2 40S 42.6 60S 200A Infector Infector 80 100S 82.9 100S 75.7 100S 69 90S NIVT			<u> </u>								
199 SPL-AST 110 K1805 12 40S 9.5 40MS 0.7 5S 2.4 20MS 2000 SPL-AST 111 KRL19 (C) 16.9 80S 31.3 80S 13.2 40S 42.6 60S 40S 40S 42.6 60S 40S			KRL210 (C)			24.6			40S	6.9	60S*
Description			DBW365			17.4				7.6	
NIVT NITT		SPL-AST 110	K1805				40MS	0.7		2.4	20MS
NIVT	200	SPL-AST 111	KRL19 (C)	16.9	80S	31.3	80S	13.2	40S	42.6	60S
NIVT - 1A	2001										
I N101 HD2967 (C) 7.3 20MS 8.3 40MS 5.9 20S 29.4 60S 2 N102 HD3389 12.2 40MS 4.9 30S 0 TR 0.6 5S 3 N103 DBW222 (C) 27.4 80S 5.3 20S 0.7 5S 13.8 40S 4 N104 PBW850 5.3 40MR 10.3 20S 1.4 5S 0.2 TS 5 N105 K2001 8.5 20S 2.9 50MR 0.7 5MS 11.6 40S 6 N106 RAJ4555 1.8 10MS 4.9 40MS 0.1 5R 11.1 20S 7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS <t< td=""><td></td><td>Infector</td><td>Infector</td><td>80</td><td>100S</td><td>82.9</td><td>100S</td><td>75.7</td><td>100S</td><td>69</td><td>90S</td></t<>		Infector	Infector	80	100S	82.9	100S	75.7	100S	69	90S
2 N102 HD3389 12.2 40MS 4.9 30S 0 TR 0.6 5S 3 N103 DBW222 (C) 27.4 80S 5.3 20S 0.7 5S 13.8 40S 4 N104 PBW850 5.3 40MR 10.3 20S 1.4 5S 0.2 TS 5 N105 K2001 8.5 20S 2.9 50MR 0.7 5MS 11.6 40S 6 N106 RAJ4555 1.8 10MS 4.9 40MS 0.1 5R 11.1 20S 7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS 9 N109 RAJ4556 3 10MS 9.3 20MS 4.9 10S 11.2 60S*			Infector	80	100S	82.9	100S	75.7	100S	69	90S
NIO3		NIVT – 1A									
4 N104 PBW850 5.3 40MR 10.3 20S 1.4 5S 0.2 TS 5 N105 K2001 8.5 20S 2.9 50MR 0.7 5MS 11.6 40S 6 N106 RAJ4555 1.8 10MS 4.9 40MS 0.1 5R 11.1 20S 7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS 9 N109 RAJ4556 3 10MS 9.3 20MS 4.9 10S 11.2 60S 10 N110 DBW342 1.5 10MS 2.9 20MS 0 9.9 60S 11 N111 UP3082 17.3 60S 5.8 40MS 3 20S 21.6 40S 12	NIVT	NIVT – 1A N101	HD2967 (C)	7.3	20MS	8.3	40MS	5.9	20S	29.4	60S
5 N105 K2001 8.5 20S 2.9 50MR 0.7 5MS 11.6 40S 6 N106 RAJ4555 1.8 10MS 4.9 40MS 0.1 5R 11.1 20S 7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS 9 N109 RAJ4556 3 10MS 9.3 20MS 4.9 10S 11.2 60S 10 N110 DBW342 1.5 10MS 2.9 20MS 0 0 9.9 60S 11 N111 UP3080 15.3 60S 5.8 40MS 3.20S 6.8 40MS 12 N112 UP3082 17.3 60S 9.8 40MS 3.6 20S 21.6 40S 13 <td>1 2</td> <td>NIVT – 1A N101 N102</td> <td>HD2967 (C) HD3389</td> <td>7.3 12.2</td> <td>20MS 40MS</td> <td>8.3 4.9</td> <td>40MS 30S</td> <td>5.9</td> <td>20S TR</td> <td>29.4 0.6</td> <td>60S 5S</td>	1 2	NIVT – 1A N101 N102	HD2967 (C) HD3389	7.3 12.2	20MS 40MS	8.3 4.9	40MS 30S	5.9	20S TR	29.4 0.6	60S 5S
6 N106 RAJ4555 1.8 10MS 4.9 40MS 0.1 5R 11.1 20S 7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS 9 N109 RAJ4556 3 10MS 9.3 20MS 4.9 10S 11.2 60S 10 N110 DBW342 1.5 10MS 2.9 20MS 0 0 9.9 60S 11 N111 UP3080 15.3 60S 5.8 40MS 3.20S 6.8 40MS 12 N112 UP3082 17.3 60S 9.8 40MS 3.6 20S 21.6 40S 13 N113 PBW852 8.8 40S 3.5 20MS 7.9 40S 7.6 20S 6.6 20	1 2 3	NIVT – 1A N101 N102 N103	HD2967 (C) HD3389 DBW222 (C)	7.3 12.2 27.4	20MS 40MS 80S	8.3 4.9 5.3	40MS 30S 20S	5.9 0 0.7	20S TR 5S	29.4 0.6 13.8	60S 5S 40S
7 N107 DBW344 19.6 80S 11.9 60S 2.9 10S 8.5 60S* 8 N108 PBW853 13.8 30S 11.6 40MS 11.7 30S 2.4 10MS 9 N109 RAJ4556 3 10MS 9.3 20MS 4.9 10S 11.2 60S 10 N110 DBW342 1.5 10MS 2.9 20MS 0 0 9.9 60S 11 N111 UP3080 15.3 60S 5.8 40MS 3 20S 6.8 40MS 12 N112 UP3082 17.3 60S 9.8 40MS 3.6 20S 6.8 40MS 12 N112 UP3082 17.3 60S 9.8 40MS 3.6 20S 6.6 20S 6.8 40MS 1.6 20S 1.4 N114 DBW362 7.6 20MS 9.5 40S 6.6 20	1 2 3 4	NIVT – 1A N101 N102 N103 N104	HD2967 (C) HD3389 DBW222 (C) PBW850	7.3 12.2 27.4 5.3	20MS 40MS 80S 40MR	8.3 4.9 5.3 10.3	40MS 30S 20S 20S	5.9 0 0.7 1.4	20S TR 5S 5S	29.4 0.6 13.8 0.2	60S 5S 40S TS
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15 N115 HD3386 4.5 20MS 3.9 20MS 3.6 20S 4.6 10S 16 N116 PBW851 2.1 20MR 2.7 10S 1.5 5S 1.5 5S 17 N117 DBW346 6.8 20MS 7.3 40S 1.4 5S 4 20S 18 N118 DBW187 (C) 9.4 20MS 5.9 40MS 1.4 10S 2.5 20MS 19 N119 DBW345 7.9 20S 3.5 20S 1.6 10S 3.4 10S 20 N120 WH1294 14.1 40S 3.5 20MS 2.1 10S 12 40S 20A Infector Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6	60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS
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17 N117 DBW346 6.8 20MS 7.3 40S 1.4 5S 4 20S 18 N118 DBW187 (C) 9.4 20MS 5.9 40MS 1.4 10S 2.5 20MS 19 N119 DBW345 7.9 20S 3.5 20S 1.6 10S 3.4 10S 20 N120 WH1294 14.1 40S 3.5 20MS 2.1 10S 12 40S 20A Infector Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S <td>NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14</td> <td>NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114</td> <td>HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362</td> <td>7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6</td> <td>20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS</td> <td>8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5</td> <td>40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 40MS</td> <td>5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6</td> <td>20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S</td> <td>29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3</td> <td>60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS 40S 20S 20S</td>	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 40MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3	60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS 40S 20S 20S
18 N118 DBW187 (C) 9.4 20MS 5.9 40MS 1.4 10S 2.5 20MS 19 N119 DBW345 7.9 20S 3.5 20S 1.6 10S 3.4 10S 20 N120 WH1294 14.1 40S 3.5 20MS 2.1 10S 12 40S 20A Infector Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S 24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 40S 20MS 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 20MS 40MS 20MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40MS 20S 20S 20S
19 N119 DBW345 7.9 20S 3.5 20S 1.6 10S 3.4 10S 20 N120 WH1294 14.1 40S 3.5 20MS 2.1 10S 12 40S 20A Infector Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S 24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS 25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS <td>NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16</td> <td>NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116</td> <td>HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851</td> <td>7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5</td> <td>20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS 20MS 20MR</td> <td>8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9</td> <td>40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 20MS 40MS 20MS</td> <td>5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5</td> <td>20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 20S 5S</td> <td>29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5</td> <td>60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 10S 5S</td>	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS 20MS 20MR	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 20MS 40MS 20MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 20S 5S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 10S 5S
20 N120 WH1294 14.1 40S 3.5 20MS 2.1 10S 12 40S 20A Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S 24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS 25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS 26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 2	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 60S 60S 40S 20MS 20MS 20MR	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 40MS 20MS 40S 20MS 40S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 5S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 10S 5S 20S
20A Infector 82.5 100S 82.9 100S 77.1 100S 67 90S 21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S 24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS 25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS 26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW346 DBW187 (C)	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 20MS 20MS 20MS 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 40MS 40S 20MS 40S 40S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 20S 5S 5S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 10S 5S 20S 20S
21 N121 HD3387 9 40MS 23.6 80S 3.5 10S 2.8 10S 22 N122 UP3083 5.3 20MS 4.0 20MS 2.1 10S 4.1 20S 23 N123 UP3081 12.9 40S 2.3 20MS 5.7 20S 11.3 60S 24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS 25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS 26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 40S 20MS 20MS 20MS 20MS 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.5 3.5 9.5 3.9 2.7 7.3 5.9 3.5	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 40S 20MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 5S 5S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40MS 20S 20S 20S 20S 20S 10S
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24 N124 NW8012 9.4 40S 13.2 60S 9.3 40S 13.5 40MS 25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS 26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 40S 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S 40	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9 3.5 9.5 3.5 9.5 3.5	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 40S 20MS 40S 20MS 40S 20MS 80S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4 1.6 2.1 77.1 3.5	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 20S 40S 20S 5S 5S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 20S 10S 5S 20S 20S 10S 5S 20S 20S 10S
25 N125 DBW343 6.6 40S 3.4 20MS 3.6 10S 5.9 40MS 26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N121	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 60S 60S 40S 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.5 3.5 9.5 3.9 2.7 7.3 5.9 3.5 82.9 23.6 4.0	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 10S 40S 20MS 40S 20MS 20	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4 1.6 2.1 77.1 3.5 2.1	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 5S 10S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 10S 5S 20S 20MS 10S 40S
26 N126 KRL1914 6.6 20S 9.1 30S 2.2 10S 2.3 10S 27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22 23	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N122 N123	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083 UP3081	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 60S 60S 40S 20MS	8.3 4.9 5.3 10.3 2.9 4.9 11.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9 3.5 82.9 23.6 4.0 2.3	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 40MS 20MS 40S 20MS 40S 20MS 40S 20MS 40S 20MS 40S 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.6 2.1 77.1 3.5 2.1 5.7	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 5S 10S 10S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1	60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS 40S 20S 20S 10S 5S 20S 20MS 10S 40S 20S 60S
27 N127 HUW844 8 40MS 10.7 40S 3.7 20S 6.5 20S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22 23 24	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N122 N123 N124	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083 UP3081 NW8012	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9 5.3 12.9 9.4	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S 40	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9 3.5 82.9 23.6 4.0 2.3 13.2	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 10S 40S 20MS 10S 40S 20MS 50MS 20MS 40MS 20MS 40MS 20MS 60S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4 1.6 2.1 77.1 3.5 2.1 5.7 9.3	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 5S 10S 10S 10S 10S 10S 40S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1	60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS 40S 20S 20S 20S 20S 10S 5S 20S 20MS 10S 40S 40S 40S 40MS 40S 40MS
	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22 23 24 25	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N122 N123 N124 N125	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083 UP3081 NW8012 DBW343	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9 5.3 12.9 9.4 6.6	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 60S 40S 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9 3.5 82.9 2.7 7.3 5.9 3.5 3.5 4.0 2.3 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 20MS 20MS 20MS 20MS 20MS	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.6 2.1 77.1 3.5 2.1 5.7 9.3 3.6	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 40S 20S 5S 10S 10S 10S 10S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1 11.3 13.5	60S 5S 40S TS 40S 20S 60S* 10MS 60S 60S 40MS 40S 20S 20S 20S 20S 10S 5S 20MS 10S 40S 40S 40S 40S 40S 40S 40S 4
28 N128 WH1293 3.8 10S 9.9 40S 3.6 20S 4.3 30S	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22 23 24 25 26	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N122 N123 N124 N125 N126	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083 UP3081 NW8012 DBW343 KRL1914	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9 5.3 12.9 9.4 6.6 6.6	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 40S 20MS 20MS 20MS 20MS 20MS 20MS 20MS 20MS 40S 40S 40S 40S 40S 40S 40S 20MS 2	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.8 3.5 9.5 3.9 2.7 7.3 5.9 3.5 82.9 23.6 4.0 2.3 13.2 3.4 9.1	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 40S 20MS 40S 20MS 40S 20MS 30S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.6 2.1 77.1 3.5 2.1 5.7 9.3 3.6 2.2	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 20S 40S 20S 5S 10S 10S 10S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1 11.3 13.5 5.9	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 20S 10S 5S 20S 20MS 10S 40S 20S 20S 40MS 40S 20S 20S 20S 40MS 40S 20S 40MS 40S 20S 20S 20S 20S 20S 20S 20S 2
	NIVT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20A 21 22 23 24 25 26 27	NIVT – 1A N101 N102 N103 N104 N105 N106 N107 N108 N109 N110 N111 N112 N113 N114 N115 N116 N117 N118 N119 N120 Infector N121 N122 N123 N124 N125 N126 N127	HD2967 (C) HD3389 DBW222 (C) PBW850 K2001 RAJ4555 DBW344 PBW853 RAJ4556 DBW342 UP3080 UP3082 PBW852 DBW362 HD3386 PBW851 DBW346 DBW187 (C) DBW345 WH1294 Infector HD3387 UP3083 UP3081 NW8012 DBW343 KRL1914 HUW844	7.3 12.2 27.4 5.3 8.5 1.8 19.6 13.8 3 1.5 15.3 17.3 8.8 7.6 4.5 2.1 6.8 9.4 7.9 14.1 82.5 9 5.3 12.9 9.4 6.6 6.6 8	20MS 40MS 80S 40MR 20S 10MS 80S 30S 10MS 10MS 60S 40S 20MS 40MS 20MS 40MS	8.3 4.9 5.3 10.3 2.9 4.9 11.6 9.3 2.9 5.8 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.3 3.5 9.5 3.5 9.3 3.5 9.3 3.5 9.5 3.5 9.5 3.5 9.3 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 3.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9	40MS 30S 20S 20S 50MR 40MS 60S 40MS 20MS 40MS 20MS 40MS 20MS 40MS 20MS 40S 20MS 40S 20MS 40S 20MS 30S 20MS 20MS 40S 20MS 40S 20S 20MS 30S 40S	5.9 0 0.7 1.4 0.7 0.1 2.9 11.7 4.9 0 3 3.6 7.9 6.6 3.6 1.5 1.4 1.4 1.6 2.1 77.1 3.5 2.1 5.7 9.3 3.6 2.2 3.7	20S TR 5S 5S 5MS 5R 10S 30S 10S 0 20S 20S 20S 40S 20S 5S 5S 10S 10S 10S 10S 10S 10S 10S	29.4 0.6 13.8 0.2 11.6 11.1 8.5 2.4 11.2 9.9 6.8 21.6 7.6 6.3 4.6 1.5 4 2.5 3.4 12 67 2.8 4.1 11.3 13.5 5.9 2.3 6.5	60S 5S 40S TS 40S 20S 60S* 10MS 60S 40MS 40S 20S 20S 20S 10S 5S 20S 20MS 10S 40S 40S 40S 20S 20S 20S 40MS 40S 20S 20S 40MS 40S 20S 20S 20S 20S 20S 20S 20S 2

29	N129	RAJ4557	15.5	40S	17.8	100S	3	20S	4.9	20S
30	N130	WH1292	11.6	40MS	1.8	15MS	0.8	5S	1.6	10MS
31	N131	JAUW691	7.4	20S	2.5	20MS	10	40S	8	20S
32	N132	HD3388	11.1	40MS	3.3	15MS	2.2	10S	2	10MS
33	N133	PBW849	14.8	40S	2.6	10MS	0	TR	0.2	5MR
34	N134	TAW123	28	80S	18.5	50S	3.9	10S	0	R
35	N135	HD3385	13.9	80S	1.5	10S	0.3	TS	3.8	15S
36	N136	HD3086 (C)	24	80S	11.2	60S	17.1	40S	7.9	60S
30	NIVT – 1B	1103000 (C)	24	005	11.2	005	17.1	405	7.2	005
37	N201	KRL1912	1.6	10MS	6.1	20MS	1.5	10S	2	10S
38	N202	K2005	12.3	40S	9.7	40S	4.3	20S	30.5	60S
39	N203	DBW347	20.3	60S	6.4	40MS	1.3	5S	10.7	40S
40	N204	RAJ4559	8.3	40MS	11.0	40MS	6.4	30S	12.2	40MS
40A	Infector	Infector	77.5	100S	74.3	100S	71.4	100S	69	90S
41	N205	NW8017	18	60S	7.2	40MS	10.1	30S	7.9	40MS
42	N206	TAW119	18	60S	6.6	20S	2.9	10S	1.2	10S
43	N207	DBW222 (C)	18.9	60S	3.7	20S	0.7	5S	10.6	40S
44	N208	NW8013	26.6	80S	0.7	10MR	1.4	10S	7.2	40MS
45	N209	K2003	5.5	20MS	2.1	10MS	3.6	20S	4.4	20MS
46	N210	UP3084	20.5	60S	5.9	40MS	2.9	20S	7.8	20S
47	N211	DBW349	10.5	20S	7.5	40MS	4.3	30S	3.9	20MS
48	N212	WH1295	14.5	60S	8.1	40S	1.7	10S	3.6	10S
49	N213	PBW856	13.3	40S	9.9	40S	3.1	20S	1.8	10S
50	N214	NW8019	3	10MS	6.4	40MS	6	20S	1.5	20MR
51	N215	HD3390	8	40MS	12.6	40S	4.3	20S	0.2	5R
52	N216	PBW854	4.4	60MR	2.4	20MR	0.3	5MR	0.9	10MR
53	N217	WH1296	26.5	60S	13.0	60S	5.7	20S	2.2	10MS
54	N218	JKW287	3.1	20S	6.7	40S	7.6	40S	13.9	40S
55	N219	HD2967 (C)	4.6	40MS	3.5	20MS	2.3	10S	16.2	40S
56	N220	RAJ4558	3.4	40MR	2.1	10MS	7.2	40S	21.1	60S
57	N221	PBW855	14.5	40MS	23.0	60S	5.5	20S	7.9	20S
58	N222	DBW187 (C)	6.3	20MS	8.7	40S	2	10MS	6.1	20S
58 59		DBW187 (C) HD3417						10MS 30S	6.1 12.2	20S 40S
	N222	` '	6.3	20MS	8.7	40S	2			
59	N222 N223	HD3417	6.3 6.1	20MS 20S	8.7 4.7	40S 40MS	2 7.9	30S	12.2	40S
59 60 60A 61	N222 N223 N224	HD3417 HD3391	6.3 6.1 16.8	20MS 20S 80S	8.7 4.7 13.1	40S 40MS 60S	2 7.9 12.3	30S 40S	12.2 14	40S 40S
59 60 60A	N222 N223 N224 Infector	HD3417 HD3391 Infector	6.3 6.1 16.8 80	20MS 20S 80S 100S	8.7 4.7 13.1 77.1	40S 40MS 60S 100S	7.9 12.3 78.6	30S 40S 100S	12.2 14 69	40S 40S 90S
59 60 60A 61 62 63	N222 N223 N224 Infector N225	HD3417 HD3391 Infector DBW348	6.3 6.1 16.8 80 15.1 13.3 14.6	20MS 20S 80S 100S 80S	8.7 4.7 13.1 77.1 16.4	40S 40MS 60S 100S 80S	2 7.9 12.3 78.6 20.1	30S 40S 100S 50S	12.2 14 69 6.8 17.4 5.1	40S 40S 90S 20MS
59 60 60A 61 62 63 64	N222 N223 N224 Infector N225 N226 N227 N228	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6	20MS 20S 80S 100S 80S 60S 60S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7	40S 40MS 60S 100S 80S 80S 15MR 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6	30S 40S 100S 50S 10S 15S 10S	12.2 14 69 6.8 17.4 5.1 12.9	40S 40S 90S 20MS 40S 20S 40S
59 60 60A 61 62 63 64 65	N222 N223 N224 Infector N225 N226 N227 N228 N229	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24	20MS 20S 80S 100S 80S 60S 60S 60S 80S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7	40S 40MS 60S 100S 80S 80S 15MR 60S 40S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3	30S 40S 100S 50S 10S 15S 10S 20S	12.2 14 69 6.8 17.4 5.1 12.9 5.9	40S 40S 90S 20MS 40S 20S 40S 40S
59 60 60A 61 62 63 64 65 66	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C)	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3	30S 40S 100S 50S 10S 15S 10S 20S 40S	12.2 14 69 6.8 17.4 5.1 12.9 5.9	40S 40S 90S 20MS 40S 20S 40S 40S 60S
59 60 60A 61 62 63 64 65 66 67	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S 40MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S
59 60 60A 61 62 63 64 65 66 67 68	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S 40MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 60S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S
59 60 60A 61 62 63 64 65 66 67 68	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N232	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S 40MS 40S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 10S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S
59 60 60A 61 62 63 64 65 66 67 68 69 70	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N232 N233 N234	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S 40MS 40MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 10S 5S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 5S 10MS
59 60 60A 61 62 63 64 65 66 67 68 69 70	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5	20MS 20S 80S 100S 80S 60S 60S 80S 100S 40MS 40MS 40MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 10S 40S 5S 20S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S 5S 10MS 40S
59 60 60A 61 62 63 64 65 66 67 68 69 70	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8	20MS 20S 80S 100S 80S 60S 60S 60S 80S 100S 40MS 40MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 10S 5S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 5S 10MS
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 15 13.8	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 60S 80S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 40S 5S 20S 30S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 10MS 40S 5S 10MS
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C)	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 13.8	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40S 80S 40MS 60S 80S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 40S 60S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 40S 5S 20S 30S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S 5S 10MS 40S 60S
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 15 13.8	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40S 80S 40MS 60S 80S 40MS 60S 80S	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 40MS 40S 60S 40MS 40S	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 5S 20S 30S 20S 5S	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S 5S 10MS 40S 60S 60S
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59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80A 81	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 HI1660 RVW4348 Infector NIAW3924	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 15 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 40MS 40	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 5.8 11.1 4.7 4.1 1.0 77.1 5.8	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 40MS 40S 60S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 50S 40MS 50S 40MS 50S 40S 50S 40MS 50S 50S 40MS 50S 50S 50S 50S 50S 50S 50S 50	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9	30S 40S 100S 50S 10S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 5S 20S 20S 40S 5S 20S 30S 5S 20S 40S 5S 20S 30S 5S 20S 30S 5S 20S 30S 5S 20S 30S 5S 20S 30S 5S 20S 30S 30S 30S 30S 30S 30S 30S 3	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 46.6 15 71 31.2	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 40S 5S 10MS 40S 60S 60S 60S 60S 60S 60S 60S 6
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80A 81 82	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309 N310	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 H11660 RVW4348 Infector NIAW3924 NWS2194	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 15 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4 8.3	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 40MS 40	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 5.8 11.1 4.7 4.1 1.0 77.1 5.8 6.6	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 40MS 40S 60S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 50S 40MS 40S 50S 40MS 50S 40MS 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9	30S 40S 100S 50S 10S 10S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 20S 40S 10S 5S 20S 30S 10S 10S 10S 10S 10S 10S 10S 1	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 46.6 15 71 31.2 34.6	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 60S 60S 60S 60S 6
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80 81 82 83	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309 N310 N311	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 HI1660 RVW4348 Infector NIAW3924 NWS2194 GW529	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4 8.3 3.7	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 10S 10MS 40MR 40MR 40MR 10S 10OS 20MS 40MS 20MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 5.8 11.1 4.7 4.1 1.0 77.1 5.8 6.6 2.1	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 40S 60S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40MS 40MS 40S 50S 40MS	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9 2.7	30S 40S 100S 50S 10S 10S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 5S 20S 20S 40S 10S 5S 20S 30S 10S 20S 30S 20S 30S 20S 30S 30S 30S 30S 30S 30S 30S 3	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 46.6 15 71 31.2 34.6 28.4	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 60S 60S 60S 60S 6
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80A 81 82 83 84	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309 N310 N311 N312	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 HI1660 RVW4348 Infector NIAW3924 NWS2194 GW529 GW533	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4 8.3 3.7 6.3	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 10S 10MS 40MR 40MR 10S 10OS 20MS 20MS 20MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 5.8 11.1 4.7 4.1 1.0 77.1 5.8 6.6 2.1 3.0	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 40S 60S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 60S 40MS 50S 40MS 60S 40MS 50S 40MS 60S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 50S 40MS 50S 50S 50S 50S 50S 50S 50S 50	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9 2.7 0.7	30S 40S 100S 50S 10S 10S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 20S 20S 20S 30S 15S 20S 20S 5S 20S 20S 30S 5S 20S 20S 30S 30S 30S 30S 30S 30S 30S 3	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 46.6 15 71 31.2 34.6 28.4 48	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 5S 10MS 40S 60S 60S 60S 60S 60S 60S 60S 6
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80A 81 82 83 84 85	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309 N310 N311 N312 N312	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 HI1660 RVW4348 Infector NIAW3924 NWS2194 GW529 GW533 MP3545	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4 8.3 3.7 6.3 5	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 40MS 20MS 40MR 40MR 10S 10S 10S 10S 10S 20MS 20MS 20MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 4.7 4.1 1.0 77.1 5.8 6.6 2.1 3.0 4.1	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 40S 20S 20S 20S 20MS 10MS 20S 10MS 20S 15MR 10OS 20S 15MR 10OS 10O	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9 2.7 0.7 3.6 0.7	30S 40S 100S 50S 10S 15S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 20S 40S 5S 20S 30S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 5S 20S 40S 40S 5S 20S 40S 5S 20S 40S 40S 5S 20S 40S 40S 5S 20S 40S 40S 5S 20S 40S 40S 40S 5S 20S 40S 40S 5S 20S 40S 40S 40S 5S 20S 40S 40S 40S 5S 20S 40S 40S 40S 5S 20S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 40S 5S 40S 5S 40S 5S 40S 5S 40S 5S 40S 5S 5S 5S 5S 5S 5S 5S 5S 5S 5	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 15 71 31.2 34.6 28.4 48 6.8	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 60S 60S 60S 60S 6
59 60 60A 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 80A 81 82 83 84	N222 N223 N224 Infector N225 N226 N227 N228 N229 N230 N231 N232 N233 N234 N235 N236 NIVT - 2 N301 N302 N303 N304 N305 N306 N307 N308 Infector N309 N310 N311 N312	HD3417 HD3391 Infector DBW348 BRW3902 JKW282 HUW845 DBW350 HD3086 (C) BRW3895 AAI-W70 HD3416 UP3085 HUW846 K2004 MACS6478 (C) HI1657 CG1038 MACS6786 WSM109-4 MP1378 HI1660 RVW4348 Infector NIAW3924 NWS2194 GW529 GW533	6.3 6.1 16.8 80 15.1 13.3 14.6 17.6 24 34 6.7 16.1 21.8 11.5 13.8 16.8 5.5 8.9 3.3 2.6 5.9 3.4 2.1 77.5 2.4 8.3 3.7 6.3	20MS 20S 80S 100S 80S 60S 60S 60S 40MS 40MS 40MS 40MS 40MS 40MS 10S 10MS 40MR 40MR 10S 10OS 20MS 20MS 20MS	8.7 4.7 13.1 77.1 16.4 12.2 0.9 9.7 9.7 13.0 14.3 6.1 18.3 5.5 12.8 12.3 11.0 2.9 4.1 5.8 11.1 4.7 4.1 1.0 77.1 5.8 6.6 2.1 3.0	40S 40MS 60S 100S 80S 80S 15MR 60S 40S 60S 40MS 60S 40MS 40S 60S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 40S 50S 40MS 60S 40MS 50S 40MS 60S 40MS 50S 40MS 60S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 40MS 50S 50S 40MS 50S 50S 50S 50S 50S 50S 50S 50	2 7.9 12.3 78.6 20.1 2.9 2.7 1.6 4.3 15 11.4 1.6 13.6 0.7 5.7 8.1 4.5 4.3 13.4 3.6 5.4 8.1 75.7 2.9 2.7 0.7	30S 40S 100S 50S 10S 10S 10S 20S 40S 40S 10S 40S 5S 20S 30S 20S 20S 20S 20S 30S 15S 20S 20S 5S 20S 20S 30S 5S 20S 20S 30S 30S 30S 30S 30S 30S 30S 3	12.2 14 69 6.8 17.4 5.1 12.9 5.9 12.7 26 10.8 0.6 3.2 11.7 39.4 41 48 43.2 25 45 40.6 46.6 15 71 31.2 34.6 28.4 48	40S 40S 90S 20MS 40S 20S 40S 40S 60S 60S 60S 5S 10MS 40S 60S 60S 60S 60S 60S 60S 60S 6

00	N216	DDW251	10.6	600	5.0	403.40	2.4	200	6.2	400
88	N316	DBW351	10.6	60S	5.9	40MS	3.4	20S	6.3	40S
89	N317	PWU6	9.3	60S*	5.8	20S	4.3	10S	45.1	60S
90	N318	RAJ4560	4.9	20MS	3.8	40MS	1.6	5S	9.8	60S
91	N319	UAS3016	18.2	60S	13.4	40S	7.1	40S	14.6	40S
92	N320	UP3086	18.6	60S	9.8	60S*	1.4	5S	17.7	40S
93	N321	MACS6785	4.9	20S	2.4	20MS	2.3	10S	25.3	60S
94	N322	DBW352	17.5	60S	7.9	40MS	2.9	10S	26.7	60S
95	N323	MACS6222 (C)	2.8	20MS	6.9	40MS	2.1	10MS	18	60S
96	N324	PBW857	9.3	60S*	5.2	40MS	1.4	10S	5.8	40S
97	N325	RVW4343	8.6	60MS	19.2	60S	6.4	20S	23.8	40S
98	N326	MP1379	12.1	60S	6.3	40MS	6	30S	8.7	40S
99									31.2	60S
	N327	HI1656	4.8	20S	4.8	40MS	3.3	20S	54	80S
100	N328	HI1658	8	40MS	3.0	20S	2.9	20S		
100A	Infector	Infector	82.5	100S	77.1	100S	74.3	100S	71	90S
101	N329	NIAW3950	1.1	20MR	2.9	20S	1.5	10S	38.6	80S
102	N330	MACS6792	6.1	20S	8.4	30S	4.3	20S	23.6	60S
103	N331	GW530	3	20MS	4.0	20S	3.5	10S	27.9	60S
104	N332	MP3552	9.6	40S	5.2	20MS	11	40S	14.7	40S
105	N333	GW322 (C)	9.9	40S	8.0	40MS	7.9	40S	30.5	60S
106	N334	HI1659	2.3	10S	4.1	20S	2.9	20S	36.8	60S
107	N335	WH1297	8.8	40MS	8.6	40S	2.1	10S	8.8	40S
108	N336	UAS3015	20	60S	5.6	40MS	1.2	10MS	11.8	60S
- 55	NIVT – 3A			200	2.0					
109	N401	BRW3897	14	60S	2.9	15MS	0.3	5MR	22	60S
110	N401 N402	NW8004	27.5	80S	8.7	60S*	0.3	5MR	13.5	40S
111	N402 N403	PBW858	11.1	60S	3.5	20S	1.4	10S	2	10S
112	N404	RAJ4561	2.3	20MR	2.0	20MR	2.2	15S	18	40S
113	N405	K2007	9.6	40MS	12.9	20S	17.9	60S	13.5	40S
114	N406	HD3395	22.3	60S	13.0	80S*	6.5	40S	9.2	20S
115	N407	HD3394	7	40MS	5.7	40MS	1.7	10S	12.8	40S
116	N408	UP3087	11.6	40MS	5.9	40S	1.6	10S	9.8	60S
117	N409	UP3089	3.8	20MS	10.6	40MS	3.1	20S	26	60S
118	N410	PBW875	18.3	40S	9.7	40S	0.6	5MS	8.1	20MS
119	N411	DBW357	20.8	60S	10.6	60S	20	60S	13.8	60S
120	N412	DBW173 (C)	5.4	20S	7.3	40S	1.6	10S	8	40S
120A	Infector	Infector	75	100S	77.1	100S	71.4	100S	69	90S
121	N413	DBW353	11.5	40S	12.3	60S	6.6	20S	8.9	40S
122	N414	JKW285	12.6	40S	5.8	40MS	3.7	20S	9.1	20S
123	N415	UP3094	15	40S	11.5	60S	1	5S	10.3	40S
123		WH1298	21.1		7.5	40S	7.4	20S	4.8	40S
	N416			60S						
125	N417	DBW355	15.3	40S	18.9	60S	1.4	10S	8.4	40S
126	N418	NW8022	19.4	60S	6.1	40MS	2.3	15S	7.6	40S
127	N419	RAJ4562	3.6	20S	6.9	20S	2.3	10S	15.5	40S
128	N420	PBW861	3.8	20MS	8.0	60MS	2.9	20S	1.5	20MR
129	N421	WH1300	9	40S	25.7	60S	8.7	40S	6.1	40S
130	N422	DBW356	14.8	60S	10.7	40S	4.4	20S	3.2	20MS
131	N423	PBW862	13.4	40S	4.7	20S	1.4	10S	6.5	20S
132	N424	DBW107 (C)	7.1	20S	10.3	40S	0	0	11.7	40S
133	N425	PBW859	19.3	60S	5.9	40S	1.6	10S	7.1	20S
134	N426	HD3392	14.8	60S	16.9	80S	3.2	20S	1.5	10S
135	N427	PBW860	20	60S	19.6	80S	2.9	20S	1.1	5S
136	N428	HUW847	14.3	60S	12.1	60S	2.9	20S	27.4	60S
137	N429	RAJ4563	4.1	20MS	5.6	20S	0.1	TS	11	40S
138	N430	DBW354	1.4	10S	0.9	15MR	1.5	5S	4.1	20MS
139	N431	HD3396	17.5	40S	16.0	60S	16.3	40S	9	40S
140	N432	HI1563 (C)	3.1	10S	7.2	40S	2.3	15S	34.3	60S
140A	Infector	Infector	75	100S	77.1	100S	71.4	100S	71	90S
140A 141	N433	HD3393	23.4	60S	7.8	40S	9.5	60S	8.8	40S
142	N434	UP3088	9.8	40MS	2.9	20S	0	TR	15.5	40S
143	N435	HD3059 (C)	6.3	20S	3.7	20S	0.1	TS	22.1	60S
144	N436	WH1299	18.8	60S	4.0	20S	0	0	18.9	40S
	NIVT – 3B									
145	N501	LOK78	3.9	10S	0.9	15MR	3.4	15S	28.2	60S
146	N502	PBW863	3.4	40MR	2.0	10MS	2.3	10S	1.4	10MS

147	N503	GW531	1.4	10MS	0.9	15MR	4	20S	37.8	60S
148	N504	MACS6793	2.3	10MS	2.6	10MS	4.3	30S	46.5	60S
149	N505	HD2864 (C)	3.5	20S	2.3	20MS	4.4	30S	48	60S
150	N506	` '	2.3	10MS	6.7	20NS 20S	4.4	20S	43	60S
	N507	MP3541				40S	2.3	10S	10.6	40S
151		MP3542	7.1	20S	7.1				28.6	60S
152	N508	UAS3018	10.6	20S	2.9	20S	2.1	10S	12.6	
153	N509	MACS6784	1.5	10MR	5.8	20S	1.5	5S		60S
154	N510	HI1664	3.8	20MS	6.9	40MS	1.6	5S	12.2	60S
155	N511	DBW354	3.5	10S	2.4	20MS	1.7	10S	10.9	60S
156	N512	HI1661	2.3	10MS	8.9	50MS	3.9	15S	47.6	80S
157	N513	AKAW5349	3.3	10MS	9.2	40S	4.1	20S	49	80S
158	N514	UAS3017	15.1	40S	10.2	40S	11.1	40S	28.6	60S
159	N515	NIAW4028	3.5	10MS	1.4	20MR	9.1	60S*	46	80S
160	N516	GW534	6.3	20S	5.2	40MS	3	10S	58	80S
160A	Infector	Infector	80	100S	77.1	100S	78.6	100S	75	80S
161	N517	HI1663	5.5	20S	5.8	40S	4.5	20S	34.6	60S
162	N518	MACS6779	3.5	40MR	7.2	40S	2.1	15S	18.8	60S
163	N519	WH1401	13.1	40S	20.0	60S	9.3	40S	13.2	60S
164	N520	HI1662	5.8	20S	7.2	40MS	4.4	20S	39	80S
165	N521	CG1039	9.6	40MS	34.9	100S	32.1	60S	46.6	80S
166	N522	NIAW3923	2.6	10MS	5.7	20S	12.9	60S	40.6	60S
167	N523	MP1380	6.7	40S	4.9	20MS	2.9	20S	17.6	60S
168	N524	HD2932 (C)	9.5	40MS	24.6	80S	31.4	60S	35.6	60S
169	N525	GW535	8.1	20S	11.0	40S	16.5	60S	28.8	60S
	NIVT – 4									
170	N601	MACS3949 (C)	9.1	40S	5.2	20S	1.3	5S	1.8	5S
171	N602	HI8835	3.7	20MS	2.9	20MS	0.7	10MR	1.7	5S
172	N603	DDW57	4.1	20MS	3.2	20MR	2.1	10S	1	5MS
173	N604	PDW361	11.5	20S	8.6	40MS	2.4	20MR	1.5	5S
174	N605	MACS4111	9.1	20S	5.2	20MS	1.7	5S	2	5S
175	N606	GW1357	6.3	20S	3.7	20MS	0.4	5MR	1.1	5MS
176	N607	HI8737 (C)	2.3	10MS	3.7	20MS	1.1	5S	4.9	10S
177	N608	HI8713 (C)	3.8	10S	1.5	15MR	2	5S	8	20S
178	N609	MPO1383	2.6	10S	4.1	20S	3.3	10MS	1.9	5S
179	N610	MPO1382	11.5	40MS	2.1	10MS	0.5	5MR	1.8	5S
180	N611	NIDW1399	6.3	20S	2.5	20MS	7.3	50S*	3.9	15S
180A	Infector	Infector	77.5	100S	80.0	100S	77.1	100S	71	90S
181	N612	NIDW1405	4.3	20MS	5.2	40MS	8.7	60S*	3.3	10S
182	N613	PWU10	0.8	5MS	2.1	20MR	2.1	10S	2.6	10S
183	N614	UAS476	1.2	10MS	3.5	20MS	1.5	10S	3.9	20S
184	N615	MPO1381	4.9	20S	4.2	20S	2.9	10S	0.9	10MR
185	N616	UAS477	11.2	40S	6.1	20S	2.4	10S	3.2	10S
186	N617	WHD966	18.6	80S	3.8	20S	3.6	10S	2.2	5S
187	N618	MACS4110	2.2	10S	2.3	20MR	3	20S	8.9	40S
188	N619	HI8838	5.8	20MS	3.8	20S	0.7	5S	5.1	10S
189	N620	HI8837	7	20S	7.5	40S	0.7	5S	3.3	10S
190	N621	GW1358	11.3	60S	5.8	40MS	2	20MR	0.6	10MR
191	N622	PBND1625-01	1.7	10MS	4.7	20MS	5.6	20S	2.3	10S
192	N623	HI8834	8.4	20S	1.5	5MS	1	5S	3.8	20MS
193	N624	HI8836	2.3	10MS	1.8	20MR	0.7	5S	2.4	20MS
194	N625	DDW56	15.8	80S	4.1	15MS	2.1	10S	4.9	20MS
1/7	NIVT – 5A	DD 11 30	13.0	303	т.1	131710	2.1	100	,	201110
195	N701	HD3398	18.1	60S	9.8	40MS	2.1	10S	10.9	40S
196	N702	HI1612 (C)	28.1	80S	8.3	40NS	0.7	5S	9.6	60S
		` '		20S	20.6	80S	11.4	40S	10.7	40S
197		DRW358	/ 3		U.U	OOD	111.4	TUD	10.7	700
197	N703	DBW358 WH1402	7.3			20MP	0.7	59	1 4	10MS
198	N703 N704	WH1402	4.6	20MS	3.7	20MR	0.7	5S 60S	1.4	10MS 5MS
198 199	N703 N704 N705	WH1402 PBW864	4.6	20MS 40MR	3.7 8.7	40MS	17.1	60S	0.5	5MS
198 199 200	N703 N704 N705 N706	WH1402 PBW864 K1317 (C)	4.6 5 6.9	20MS 40MR 60MR	3.7 8.7 6.1	40MS 40MS	17.1 2.9	60S 10S	0.5 7.4	5MS 40S
198 199 200 200A	N703 N704 N705 N706 Infector	WH1402 PBW864 K1317 (C) Infector	4.6 5 6.9 80	20MS 40MR 60MR 100S	3.7 8.7 6.1 77.1	40MS 40MS 100S	17.1 2.9 72.9	60S 10S 100S	0.5 7.4 69	5MS 40S 90S
198 199 200 200A 201	N703 N704 N705 N706 Infector N707	WH1402 PBW864 K1317 (C) Infector DBW359	4.6 5 6.9 80 11.1	20MS 40MR 60MR 100S 40MS	3.7 8.7 6.1 77.1 22.4	40MS 40MS 100S 80S	17.1 2.9 72.9 9.7	60S 10S 100S 50S	0.5 7.4 69 3.4	5MS 40S 90S 20MS
198 199 200 200A 201 202	N703 N704 N705 N706 Infector N707 N708	WH1402 PBW864 K1317 (C) Infector DBW359 PBW866	4.6 5 6.9 80 11.1 10.1	20MS 40MR 60MR 100S 40MS 30S	3.7 8.7 6.1 77.1 22.4 4.7	40MS 40MS 100S 80S 40MS	17.1 2.9 72.9 9.7 2.4	60S 10S 100S 50S 15S	0.5 7.4 69 3.4 13.7	5MS 40S 90S 20MS 40S
198 199 200 200A 201 202 203	N703 N704 N705 N706 Infector N707 N708 N709	WH1402 PBW864 K1317 (C) Infector DBW359 PBW866 HUW848	4.6 5 6.9 80 11.1 10.1 14.1	20MS 40MR 60MR 100S 40MS 30S 60S	3.7 8.7 6.1 77.1 22.4 4.7 14.7	40MS 40MS 100S 80S 40MS 80S	17.1 2.9 72.9 9.7 2.4 7.1	60S 10S 100S 50S 15S 20S	0.5 7.4 69 3.4 13.7 14.5	5MS 40S 90S 20MS 40S 60S
198 199 200 200A 201 202	N703 N704 N705 N706 Infector N707 N708	WH1402 PBW864 K1317 (C) Infector DBW359 PBW866	4.6 5 6.9 80 11.1 10.1	20MS 40MR 60MR 100S 40MS 30S	3.7 8.7 6.1 77.1 22.4 4.7	40MS 40MS 100S 80S 40MS	17.1 2.9 72.9 9.7 2.4	60S 10S 100S 50S 15S	0.5 7.4 69 3.4 13.7	5MS 40S 90S 20MS 40S

206	N712	BRW3901	6	20S	6.9	40S	2.7	10S	18.4	40S
207	N713	UP3090	15.4	40S	2.4	20MS	5.6	30S	14.9	40S
	II.	I .							3	20MS
208	N714	HD3418	12.8	60S	1.5	15MR	6.3	40S		
209	N715	DBW361	6.6	40S	2.4	20MS	1	5S	1.9	20MR
210	N716	JAUW694	3.5	10MS	3.2	20MS	1.4	10S	0.8	20MR
211	N717	HD3400	5.1	20MS	3.8	20MS	2.9	10S	2.4	20MR
212	N718	K2010	7.4	30MS	8.1	40MS	3.7	15S	8.7	40S
213	N719	PBW644 (C)	8.5	40MS	5.0	20MS	3.6	20S	13	40S
214	N720	UP3091	3	20MS	9.2	60S*	1.4	5S	10.6	40S
215	N721	WH1403	5.3	40MR	3.5	10S	2.1	10S	0.3	5MR
216	N722	HD3399	19.3	60S	4.9	40MS	1.4	5S	17	40S
217	N723	WH1142 (C)	4.6	40MR	9.8	40S	4.3	15S	6	40S
218	N724	NW8010	18	60S	2.9	20S	0.9	5S	5	20MS
219	N725	HD3397	5	20MS	3.6	20S	3.6	15S	15.8	40S
	NIVT – 5B									
220	N801	UAS478(d)	11	40S	3.8	20MS	8.6	30S	3.1	10S
220A	Infector	Infector	77.5	100S	80.0	100S	74.3	100S	73	90S
221	N802	HI1666	2.2	10MS	6.9	40MS	5	20S	41	80S
222	N803	DBW358	5.6	20MS	18.2	60S	8.5	20S	10.4	40S
223	N804	MPO1376(d)	2.8	10S	4.1	20S	2.7	10S	2.2	10MS
224	N805	DDW58(d)	14.1	60S	1.1	15MR	0.7	5S	2	5S
225	N806	GW532	1.8	10MS	1.5	15MR	2.9	10S	25.4	60S
226	N807	MACS6795	6.9	20S	0.6	10MR	10	40S	45.6	80S
227	N808	CG1040	11.3	40S	8.0	20S 20S	9.9	40S	26.3 24	60S 60S
228	N809	AKAW5351	10.7	40S	8.1		13.4	60S		
229	N810	HI8839(d)	1.6	20MR	3.7	20MS	5.8	30S	1.9	10MS
230	N811	MACS4107(d)	6.5	20S	3.8	20MS	4.1	20S	19.4	40S
231	N812	DBW359	9	40MS	4.6	20S	1.6	10S	3.7	20MS
232	N813	MP1377	11.4	40MS	15.5	60S	7.2	40S	22.6	60S
233	N814	MP3544	4.8	10S	11.5	40MS	16.3	60S	23.8	60S
234	N815	UAS446(d) (C)	6.1	20S	3.8	20MS	2.7	10S	2.4	20MS
235	N816	NIAW3922	1.8	20MR	5.8	40MS	0.9	5MS	20.8	40S
236	N817	DBW110 (C)	6.5	30MS	3.5	20MS	1.4	5S	19.6	60S
237	N818	HI1665	1.6	10MS	3.5	10S	1.5	10S	41.8	80S
238	N819	NIAW4028	2.6	10MS	0.9	15MR	5.9	20S	43	80S
239	N820	HI1605 (C)	3.9	20MS	10.9	60S	15.7	40S	10	40S
240	N821	HI8840(d)	3	10S	5.2	20MS	4	20S	7.3	40S
240A	Infector	Infector	77.5	100S	74.3	100S	74.3	100S	71	90S
241	N822	UAS3019	17.5	80S	9.0	40MS	8.7	40S	16	40S
242	N823	HD3401	6.6	20MS	6.3	40S	5.7	30S	21.4	60S
243	N824	GW1359(d)	5	20MS	20.9	80S	11.1	60S	37.6	80S
244	N825	HI8627(d) (C)	0.8	10MR	2.9	10MS	3	10S	4.8	20MS
2-1-1	IVT - NHZ	1110021(u) (C)	0.0	TOWIN	4.7	101/10	,	103	7.0	201110
245	NHLSZ 2001	HS685	2.1	10MS	1.7	10MC	0.7	50	2.5	10MS
						10MS	0.7	5S 5S	5.6	20MS
246	NHLSZ 2002	UP3093	17.4	60S	6.9	40MS	0.9			
247	NHLSZ 2003	VL3026	13	40S	7.0	60MS	2.1	10S	5.9	40S
248	NHLSZ 2004	HPW481	4.1	40MR	5.8	40MS	1.4	10S	2.7	20MS
249	NHLSZ 2005	HPW480	7.9	20S	6.9	40MS	0.7	5S	2.1	10S
250	NHLSZ 2006	HS686	0.6	5MR	7.2	40MS	0	TR	6.7	20S
251	NHLSZ 2007	VL3027	11.5	40S	4.7	40MS	5	30S	7.2	20S
252	NHLSZ 2008	VL892 (C)	3.8	20MS	9.2	40S	2.3	10S	15	40S
253	NHLSZ 2009	HS687	2.5	20MR	9.6	40MS	0.1	TS	12.3	60S
254	NHLSZ 2010	VL3025	7	20MS	4.6	20MS	0.7	5S	8.9	60S
255	NHLSZ 2011	HS490 (C)	11.8	40S	4.1	20S	3.6	20S	6.4	20MS
256	NHIVT 2001	HS683	0.1	TR	5.5	20MS	0.1	TS	7.3	40S
257	NHIVT 2002	HPW479	6	20S	4.6	40MS	7.4	40S	4.7	20MS
258	NHIVT 2003	HS507 (C)	1.2	5MS	4.9	20S	6.4	30S	9.6	40S
259	NHIVT 2004	HS682	9.3	40S	9.9	30S	11	30S	7.9	40S
260	NHIVT 2005	HPW476	7	20S	3.0	20S	0.9	5S	5.8	20S
260A	Infector	Infector	80	100S	80.0	100S	78.6	100S	69	90S
261	NHIVT 2006	HS562 (C)	30.3	80S	8.7	40S	9	40MS	14.6	60S
262	NHIVT 2007	HPW477	13.3	60S	13.9	60S	3.6	20S	11.7	60S
263	NHIVT 2007 NHIVT 2008	HPW478		20MR	6.4	40MS	6.5	20S	7.2	40S
264	NHIVT 2008 NHIVT 2009		2.1 7.1						4.2	40S
	I NELV I 2009	HD3402	i /.1	40MS	12.3	60S	8.9	40S	4.2	403

265	NHIVT 2010	VL2044	11.3	40S	7.2	40MS	0.9	5S	1.5	10S
266	NHIVT 2011	SKW358	12.5	40S	13.2	40S	3.7	15S	5.8	20S
267	NHIVT 2012	HS684	2.6	10MS	3.5	20S	3.6	20S	5.9	40S
268	NHIVT 2013	VL2045	7.1	40S	8.0	40S	1.6	5S	6.5	20S
269	NHIVT 2014	UP3092	5.2	20S	4.7	40MS	10	30S	9.3	40S
270	NHIVT 2015	VL2043	8	20MS	13.8	40S	8.6	40S	0.7	10MR
271	NHIVT 2016	VL2046	3.3	20S	4.7	40MS	1.6	10S	3.9	20S

Abbreviations: ACI = Average Coefficient of Infection, HS = Highest Score, Avg. = Mean, NS = No seed, NG = No germination, *Indicates high rust score (more than 40S) at one location only.