

IBDSN (2018-19) - yellow rust and blight - HS and mean diseases score

S. No.	IBDSN Entries	Yellow rust		Foliar blight	
		HS	ACI	HS	Mean
1	BD 1791	10MS	2.8	46	35
2	BD 1792	TR	0.0	57	47
3	BD 1793	0	0.0	67	46
4	BD 1794	10S	2.8	68	47
5	BD 1795	15S	7.6	57	47
6	BD 1796	5MS	1.2	78	57
7	BD 1797	5MS	0.8	68	46
8	BD 1798	10S	2.2	46	36
9	BD 1799	5MR	0.4	46	35
10	BD 1800	20S	12.0	46	46
11	BD 1801	10S	2.1	47	46
12	BD 1802	0	0.0	56	46
13	BD 1803	40S*	9.8	47	46
14	BD 1804	20S	4.9	99	67
15	BD 1805	40S	16.1	47	36
16	BD 1806	20S	10.0	57	46
17	BD 1807	20S	11.0	56	46
18	BD 1808	20S	4.0	36	36
19	BD 1809	60S	32.0	57	45
20	BD 1810	60S	44.0	46	45
20A	Infector	100S	76.0	79	78
21	BD 1811	40S	20.0	57	35
22	BD 1812	40S	24.8	68	46
23	BD 1813	60S	44.0	56	46
24	BD 1814	20MS	8.2	47	36
25	BD 1815	20S	13.0	78	56
26	BD 1816	15MS	10.4	99	56
27	BD 1817	40S	23.0	56	46
28	BD 1818	20S	10.2	68	57
29	BD 1819	60S	34.0	57	46
30	BD 1820	20S	11.2	46	35
31	BD 1821	15S	6.6	45	35
32	BD 1822	20S	8.0	46	36
33	BD 1823	60S	44.0	36	35
34	BD 1824	60S	28.4	47	36
35	BD 1825	5MS	0.8	57	57
36	BD 1826	10S	2.2	79	68
37	BD 1827	80S	36.4	68	57
38	BD 1828	80S	32.2	58	47
39	BD 1829	20S	10.0	67	46
40	BD 1830	10MS	4.2	99	67

40A	Infector	100S	76.0	89	78
41	BKB 1801	40S	17.2	47	46
42	BKB 1802	40S	34.4	56	46
43	BKB 1803	80S	60.0	46	46
44	BKB 1804	10S	6.8	56	46
45	BKB 1805	60S	44.0	47	47
46	BKB 1806	5S	1.0	99	67
47	BKB 1807	20S	6.4	46	46
48	BKB 1808	20S	16.1	89	57
49	BKB 1809	80S	60.0	47	36
50	BKB 1810	60S	36.0	57	46
51	BKB 1811	80S	48.0	47	35
52	BKB 1812	40S	18.8	99	67
53	BKB 1813	80S	36.0	47	46
54	BKB 1814	20S	5.0	58	47
55	BKB 1815	40S*	12.2	56	46
56	BKB 1816	30S	18.8	47	36
57	BKB 1817	0	0.0	45	35
58	BKB 1818	80S	40.8	46	46
59	BKB 1819	80S	68.0	99	78
60	BKB 1820	60S	32.8	56	46
60A	Infector	100S	80.0	89	78
61	BKB 1821	60S	45.6	57	46
62	BKB 1822	5S	1.0	99	57
63	BKB 1823	15S	10.2	56	46
64	BKB 1824	40S	18.4	68	47
65	BKB 1825	80S	60.0	56	46
66	BKB 1826	60S	33.8	58	46
67	BKB 1827	10S	3.6	47	47
68	BKB 1828	60S	40.0	99	67
69	BKB 1829	60S	29.0	67	56
70	BKB 1830	5MS	1.0	58	46
71	BKB 1831	60S	36.2	46	36
72	BKB 1832	40S	17.4	57	46
73	BKB 1833	60S	32.0	46	35
74	BKB 1834	80S	52.0	46	35
75	BKB 1835	60S	39.2	58	46
76	BKB 1836	40S*	13.3	68	58
77	BKB 1837	80S	38.4	56	46
78	BKB 1838	40S	21.2	45	36
79	BKB 1839	80S	68.0	99	78
80	BKB 1840	40S*	8.0	99	78
80A	Infector	100S	76.0	79	78
81	BKB 1841	40S	21.2	46	46

82	BKB 1842	40S	22.2	99	57
83	BKB 1843	30S	6.8	35	35
84	BKB 1844	30S	15.2	89	67
85	BKB 1845	10MS	1.6	47	46
86	BKB 1846	40S	21.2	56	46
87	BKB 1847	60S	33.2	57	46
88	BKB 1848	40S	16.8	57	46
89	BKB 1849	100S	84.0	99	78
90	BKB 1850	30S	13.0	99	67
91	UPBM 1	40MS	21.4	47	36
92	UPBM 2	20MS	5.8	56	46
93	UPBM 3	40S	18.0	47	35
94	UPBM 4	0	0.0	56	46
95	UPBM 5	60S	29.4	47	46
96	UPBM 6	15S	7.0	47	46
97	UPBM 7	20S	6.0	47	46
98	UPBM 8	20S	6.0	56	46
99	UPBM 9	TMS	0.2	57	46
100	UPBM 10	20S	8.4	47	46
100A	Infector	100S	80.0	89	68
101	UPBM 11	20S	9.2	56	46
102	UPBM 12	TR	0.0	45	35
103	UPBM 13	10S	2.2	46	37
104	UPBM 14	30MS	17.8	47	46
105	UPBM 15	40S	21.2	47	46
106	UPBM 16	10MS	3.4	47	35
107	UPBM 17	40S	13.8	45	35
108	UPBM 18	5MS	0.8	46	36
109	BH 1801	20MS	7.0	47	36
110	BH 1802	10MS	2.5	56	46
111	BH 1803	80S	0.8	68	57
112	BH 1804	80S	48.0	57	47
113	BH 1805	80S*	16.2	79	67
114	BH 1806	80S	60.0	58	47
115	BH 1807	80S	64.0	45	36
116	BH 1808	80S	62.4	47	46
117	BH 1809	10S	5.4	67	57
118	BH 1810	5MS	0.8	78	56
119	BH 1811	5S	1.0	78	57
120	BH 1812	5S	1.0	67	57
120A	Infector	100S	80.0	89	78
121	BH 1813	40S*	11.0	99	57
122	BH 1814	5MS	0.8	46	46
123	BH 1815	0	0.0	99	67

124	BH 1816	15S	3.2	78	57
125	BH 1817	TR	0.0	57	46
126	BH 1818	10S	3.1	68	57
127	BH 1819	5S	2.0	78	57
128	BH 1820	15S	4.8	57	56
129	BH 1821	10S	4.8	56	46
130	BH 1822	10MS	2.8	47	46
131	BH 1823	10S	6.8	67	57
132	BH 1824	10S	6.2	57	57
133	BH 1825	20S	7.0	68	57
134	BH 1826	20S	5.2	47	46
135	BH 1827	40S	14.2	47	46
136	BH 1828	20S	5.0	56	46
137	BH 1829	10S	2.8	57	46
138	BH 1830	10MS	2.6	99	67
139	BH 1831	5S	1.8	89	68
140	BH 1832	5S	2.0	57	46
140A	Infector	100S	80.0	89	67
141	BH 1833	5MS	1.8	68	57
142	BH 1834	5S	1.2	56	46
143	BH 1835	10S	2.8	57	47
144	BH 1836	20S	9.7	57	46
145	BH 1837	40S	20.8	68	57
146	BH 1838	20S	9.0	58	57
147	BH 1839	20S	11.4	68	57
148	BH 1840	5MS	0.8	68	56
149	BH 1841	5S	1.0	56	46
150	BH 1842	TMR	0.1	67	56
151	BH 1843	10S	4.2	58	57
152	BH 1844	5MS	1.0	58	57
153	BH 1845	20S	5.6	68	57
154	BH 1846	30S	8.0	78	57
155	BH 1847	5S	3.2	46	46
156	BH 1848	30S	8.2	89	67
157	BH 1849	5S	1.2	99	67
158	BH 1850	5S	1.0	89	57
159	BH 1851	5S	2.6	56	35
160	BH 1852	5S	2.0	47	35
160A	Infector	80S	76.0	89	78
161	BBM 795	10S	2.0	99	67
162	BBM 796	10S	2.0	89	57
163	BBM 797	0	0.0	89	57
164	BBM 798	5S	1.0	57	47
165	BBM 799	5S	2.0	47	47

166	BBM 800	0	0.0	56	46
167	BBM 801	20S	12.6	57	46
168	BBM 802	10S	6.0	45	36
169	BBM 803	5S	2.7	47	46
170	BBM 804	10S	2.8	48	46
171	BBM 805	20MR	1.8	56	47
172	BBM 806	10MS	1.6	89	57
173	BBM 807	5MR	0.6	89	56
174	BBM 808	20S	7.8	56	46
175	BBM 809	40S	16.0	47	46
176	BBM 810	20S	9.4	57	46
177	BBM 811	TR	0.0	46	35
178	BBM 812	TMS	0.2	48	46
179	BBM 813	5MR	0.4	56	47
180	BBM 814	0	0.0	89	57
180A	Infector	80	72.0	89	78
181	BBM 815	TMS	0.2	45	36
182	BBM 816	0	0.0	99	56
183	BBM 817	5S	1.2	56	46
184	BBM 818	5MS	0.9	57	46
185	BBM 819	10MS	1.8	46	46
186	BBM 820	0	0.0	56	46
187	BBM 821	TMR	0.1	46	36
188	BBM 822	5S	1.0	56	46
189	BBM 823	10S	3.2	46	46
190	BBM 824	40S*	10.6	57	46
191	BBM 825	10MS	1.6	46	45
192	BBM 826	TMS	0.2	56	45
193	BBM 827	10MS	2.0	57	45
194	BK 1801	20S	6.2	46	46
195	BK 1802	0	0.0	99	56
196	BK 1803	15MS	2.8	46	46
197	BK 1804	20MS	4.2	99	67
198	BK 1805	TMS	0.2	45	35
199	BK 1806	10S	4.3	47	36
200	BK 1807	5S	1.3	56	46
200A	Infector	100S	80.0	89	78
201	BK 1808	10S	3.2	89	57
202	BK 1809	5S	1.0	56	45
203	BK 1810	20MS	5.2	56	46
204	BK 1811	TMS	0.2	57	46
205	BK 1812	10MS	1.8	46	35
206	BK 1813	0	0.0	89	57
207	BK 1814	10S	3.0	56	46

208	BK 1815	TMR	0.1	47	46
209	BK 1816	5S	1.2	89	57
210	BK 1817	10S	3.6	46	35
211	BK 1818	10MS	2.6	46	45
212	BK 1819	TMR	0.1	56	47
213	BK 1820	20MS	8.0	57	47
214	BK 1821	0	0.0	47	36
215	BK 1822	5MS	0.8	46	45
216	BK 1823	40S	28.0	46	36
217	BK 1824	20S	10.4	89	68
218	BK 1825	10S	7.0	89	68
219	BK 1826	15S	10.0	89	57
220	BK 1827	20MS	4.8	56	46
220A	Infector	100S	80.0	89	78
221	BK 1828	20S	5.1	99	57
222	BK 1829	20S	7.0	85	66
223	BK 1830	10S	2.9	78	56
224	HUBL 1801	100S	70.0	89	57
225	HUBL 1802	60S	40.0	89	57
226	HUBL 1803	100S	76.0	89	67
227	HUBL 1804	80S	56.0	89	57
228	HUBL 1805	80S	72.0	78	56
229	HUBL 1806	80S	68.0	89	67
230	HUBL 1807	100S	69.6	89	57
231	HUBL 1808	100S	60.0	78	56
232	HUBL 1809	40S	23.3	68	57
233	HUBL 1810	80S	44.0	78	57
234	HUBL 1811	80S	56.0	89	57
235	HUBL 1812	80S	57.0	79	57
236	HUBL 1813	100S	62.0	89	57
237	HUBL 1814	100S	68.0	89	67
238	HUBL 1815	80S	64.0	89	67
239	HUBL 1816	100S	72.0	89	57
240	HUBL 1817	80S	45.2	79	56
240A	Infector	100S	84.0	79	68
241	HUBL 1818	10MS	3.0	99	67
242	HUBL 1819	80S	53.0	99	67
243	HUBL 1820	80S	48.0	79	57
244	HUBL 1821	80S	44.2	89	57
245	HUBL 1822	10S	3.6	68	47
246	HUBL 1823	80S	50.0	79	57
247	HUBL 1824	80S	48.0	68	46
248	HUBL 1825	100S	61.0	47	46
249	HUBL 1826	30S	15.2	56	46

250	HUBL 1827	60S	26.0	57	47
251	HUBL 1828	15S	4.6	56	46
252	HUBL 1829	40S	15.4	47	35
253	HUBL 1830	10MS	1.8	89	56
254	HB 1801	20S	7.2	89	57
255	HB 1802	5S	1.0	89	67
256	HB 1803	20MS	3.2	89	67
257	HB 1804	10MS	2.4	89	57
258	HB 1805	5MS	0.8	89	57
259	HB 1806	5MS	2.0	89	56
260	HB 1807	10MS	1.6	89	57
260A	Infector	100S	84.0	89	78
261	HB 1808	60S	16.0	48	36
262	HB 1809	40S*	8.0	57	47
263	HB 1810	60S*	12.0	58	57
264	HB 1811	60S*	12.0	89	57
265	HB 1812	60S*	14.8	45	45
266	HB 1813	60S*	13.0	79	57
267	HB 1814	60S	17.2	79	56
268	HB 1815	60S	17.0	79	47
269	HB 1816	60S*	12.9	57	46
270	HB 1817	10S	2.0	57	46
271	NDB 1726	100S	72.0	89	57
272	NDB 1727	60S	21.8	48	46
273	NDB 1728	TMR	0.1	46	46
274	NDB 1729	40S	15.0	47	36
275	NDB 1730	20S	9.2	47	36
276	NDB 1731	60S*	13.6	79	57
277	NDB 1732	80S	40.0	79	57
278	NDB 1733	80S	40.0	89	57
279	NDB 1734	10MS	1.6	89	56
280	NDB 1735	TS	0.4	79	46
280A	Infector	100S	80.0	79	78
281	NDB 1736	20S	4.2	99	78
282	NDB 1737	40S	30.4	79	57
283	NDB 1738	20S	9.8	89	57
284	NDB 1739	10S	2.1	89	57
285	NDB 1740	10S	3.0	89	57
286	NDB 1741	20S	8.0	47	46
287	NDB 1742	20S	11.0	47	36
288	NDB 1743	60S	34.0	57	46
289	NDB 1744	10S	3.0	45	35
290	NDB 1745	20S	4.0	57	46
291	NDB 1746	60S	30.4	78	56

292	NDB 1747	5S	1.8	56	35
293	NDB 1748	5S	1.8	46	36
294	NDB 1749	80S	32.0	45	36
295	NDB 1750	10MS	1.6	46	36
296	VB 1801	60S	34.0	57	46
297	VB 1802	40S	19.2	57	46
298	VB 1803	20S	7.2	89	56
299	VB 1804	20S	9.2	99	57
300	VB 1805	10MS	1.6	89	56
300A	Infector	100S	80.0	89	78
301	VB 1806	40S	18.1	99	57
302	VB 1807	40S	25.2	79	46
303	VB 1808	15S	7.0	47	35
304	VB 1809	20S	12.6	79	46
305	VB 1810	40S	17.0	79	56
306	VB 1811	TMS	0.1	89	56
307	VB 1812	40MS	12.0	89	57
308	VB 1813	40S	20.8	89	57
309	VB 1814	10S	2.8	89	57
310	VB 1815	5S	2.0	89	67
311	VB 1816	20S	11.2	78	57
312	VB 1817	40S	20.8	89	68
313	VB 1818	10S	4.0	89	57
314	VB 1819	TMS	0.2	58	57
315	VB 1820	20MS	4.5	89	68
316	VB 1821	20MS	6.2	56	46
317	VB 1822	10S	2.4	48	46
318	VB 1823	40S	20.0	99	67
319	VB 1824	10MS	1.6	99	57
320	VB 1825	10S	2.8	79	57
320A	Infector	100S	76.0	89	78
321	VB 1826	0	0.0	78	56
322	VB 1827	5MS	0.8	48	36
323	VB 1828	10S	3.0	56	46
324	VB 1829	10S	2.2	57	46
325	VB 1830	15S	5.0	45	46
326	VB 1831	15S	3.0	47	36
327	BL1500	40S	16.0	57	35
328	BL1505	20S	6.8	99	56
329	BL1506	10S	4.4	89	56
330	BL1507	20S	8.0	89	57
331	BL1513	80S	36.0	89	56
332	BL1514	40S	21.6	89	56
333	BL1517	60S	36.4	36	35

334	BL1519	40S*	13.4	89	56
335	BL1520	20S	14.0	89	56
336	BL1522	40MS	10.4	79	46
337	BL1528	40S	20.6	45	35
338	BL1530	40S	17.6	48	36
339	BL1533	20S	6.1	47	35
340	BL1535	TMR	0.1	99	67
340A	Infector	100S	84.0	89	68
341	BL1550	0	0.0	99	56
342	BL1553	15S	5.2	89	57
343	BL1554	10S	3.2	99	57
344	BL1560	10S	3.8	99	56
345	BL1563	TMS	0.2	89	46
346	BL1567	10S	4.1	99	56
347	BL1568	15S	6.8	89	56
348	BL1569	20S	11.0	89	57
349	BL1572	20S	5.4	99	56
350	BL1573	5S	4.4	99	56
351	BL1582	5MS	0.8	99	67
352	BL1600	20S	7.4	47	35
353	BL1601	20S	8.8	47	35
354	BL1604	10MS	3.1	47	35
355	BL1612	20S	8.7	89	46
356	BL1618	10S	6.0	48	36
357	BL1644	15MS	5.4	68	46
358	BL1646	20S	17.8	48	35
359	BL1650	60S	17.0	89	57
360	BL1655	10S	4.6	89	56
360A	Infector	100S	80.0	89	67
361	BL1662	20MS	3.2	99	56
362	BL1663	20S	5.2	89	56
363	BL1664	TMS	0.2	89	57
364	BL1665	5MS	1.0	57	35
365	BL1666	40S	10.8	89	46
366	BL1667	20S	7.2	47	35
367	BL1668	20S	4.2	89	57
368	BL1669	15S	7.4	99	57
369	BL1671	10MS	1.6	99	56
370	BL1672	20S	6.6	89	46
371	BL1673	40S	21.4	68	46
372	BL1674	10MS	1.6	78	57

*High disease score at one location only.

IBDSN (2018-19) – Center wise yellow rust and blight data

S. No.	IBDSN Entries	Yellow rust					Foliar blight		
		Jammu	Bajaura	Durgapura	Ludhiana	Karnal	Pantnagar	Faizabad	Varanasi
1	BD 1791	5S	0	10MS	0	TMS	35	46	35
2	BD 1792	0	0	0	0	TR	47	57	36
3	BD 1793	0	0	0	0	0	45	67	36
4	BD 1794	10S	0	5MS	0	TR	36	68	47
5	BD 1795	5S	15S	10S	5MS	5MS	57	46	38
6	BD 1796	5MS	0	5MR	0	0	56	78	47
7	BD 1797	0	0	5MS	0	TR	45	68	36
8	BD 1798	10S	0	TMR	0	TMS	46	35	37
9	BD 1799	0	0	5MR	0	0	35	35	46
10	BD 1800	0	15S	20S	5S	20S	46	46	46
11	BD 1801	0	10S	TMR	0	0	47	35	45
12	BD 1802	0	0	0	0	0	56	46	47
13	BD 1803	5MS	0	0	5S	40S	45	35	47
14	BD 1804	TMR	TR	20S	0	5MS	56	46	99
15	BD 1805	TMR	20S	20S	40S	0	47	36	35
16	BD 1806	20S	15S	10S	5S	TR	35	57	36
17	BD 1807	10S	15S	20S	10S	0	56	46	36
18	BD 1808	0	0	0	0	20S	36	35	36
19	BD 1809	40S	40S	20S	60S	TR	57	24	45
20	BD 1810	40S	60S	40S	60S	20S	45	35	46
20A	Infectior	60S	80S	100S	60S	80S	78	78	79
21	BD 1811	5MS	20S	20S	40S	20MS	57	24	34
22	BD 1812	5MS	30S	20S	40S	30S	68	35	35
23	BD 1813	40S	40S	40S	60S	40S	56	36	35
24	BD 1814	5S	15S	0	5S	20MS	47	35	36
25	BD 1815	0	15S	20S	10S	20S	56	24	78
26	BD 1816	10S	10S	15MS	10S	10MS	45	35	99
27	BD 1817	5S	10S	40S	40S	20S	56	35	38
28	BD 1818	TMS	20S	10S	20S	TMR	68	46	47
29	BD 1819	20S	30S	40S	60S	20S	57	45	46
30	BD 1820	0	20S	10S	10S	20MS	46	35	34
31	BD 1821	0	5S	15S	5S	10MS	45	35	36
32	BD 1822	0	5S	10S	5S	20S	46	36	36
33	BD 1823	60S	40S	20S	60S	40S	35	36	34
34	BD 1824	20MS	40S	10S	60S	20MS	47	35	35
35	BD 1825	5MS	0	0	0	TR	57	57	46
36	BD 1826	10S	0	0	TS	0	79	58	56
37	BD 1827	10S	80S	40S	20S	40MS	68	67	35

38	BD 1828	0	80S	40S	40S	TMS	58	58	36
39	BD 1829	20MS	20S	10S	0	5MS	67	46	24
40	BD 1830	5S	10MR	5MS	0	10MS	56	57	99
40A	Infector	60S	80S	100S	60S	80S	78	78	89
41	BKB 1801	0	40S	10S	20S	20MS	45	47	37
42	BKB 1802	40S	40S	20S	40S	40MS	56	35	37
43	BKB 1803	60S	80S	60S	60S	40S	45	46	36
44	BKB 1804	5MS	10S	10S	10S	TR	56	46	36
45	BKB 1805	40S	40S	60S	40S	40S	47	46	39
46	BKB 1806	5S	0	0	0	0	56	46	99
47	BKB 1807	5MS	20S	10MS	0	0	46	46	36
48	BKB 1808	20S	20S	20S	20S	TMR	37	46	89
49	BKB 1809	40S	60S	80S	80S	40S	35	36	47
50	BKB 1810	5MS	40S	60S	60S	20MS	57	35	57
51	BKB 1811	20S	40S	80S	60S	40S	35	34	47
52	BKB 1812	10S	40S	20S	20S	5MS	45	46	99
53	BKB 1813	10S	30S	40S	80S	20S	46	36	47
54	BKB 1814	0	20S	0	5S	TR	58	36	46
55	BKB 1815	0	40S	10MS	5S	10MS	56	46	37
56	BKB 1816	20S	30S	20S	20S	5MS	47	35	36
57	BKB 1817	0	0	0	0	0	45	36	35
58	BKB 1818	5MS	40S	40S	80S	40S	46	46	46
59	BKB 1819	40S	80S	80S	80S	60S	57	67	99
60	BKB 1820	20S	10MR	40S	60S	40S	56	46	46
60A	Infector	60S	80S	100S	80S	80S	67	78	89
61	BKB 1821	10MS	60S	40S	60S	60S	45	57	35
62	BKB 1822	5S	0	0	0	0	46	36	99
63	BKB 1823	10S	15S	10MS	10S	10MS	56	46	35
64	BKB 1824	10MS	20S	20S	40S	5MS	68	36	36
65	BKB 1825	40S	60S	80S	80S	40S	56	46	47
66	BKB 1826	5S	40S	40S	60S	30MS	58	35	46
67	BKB 1827	0	0	5MS	10S	5MS	47	46	47
68	BKB 1828	10S	60S	30S	60S	40S	57	36	99
69	BKB 1829	5S	60S	20S	40S	20S	67	46	46
70	BKB 1830	5MS	0	0	TMS	TR	45	35	58
71	BKB 1831	20S	60S	40S	60S	TMS	46	24	38
72	BKB 1832	5MS	40S	15S	20S	10MS	57	35	46
73	BKB 1833	20S	60S	20S	40S	20S	45	24	46
74	BKB 1834	40S	80S	40S	60S	40S	46	24	46
75	BKB 1835	40S	60S	40S	40S	20MS	45	35	58
76	BKB 1836	-	40S	10MS	5S	0	47	68	68
77	BKB 1837	20S	80S	40S	20S	40MS	56	46	46
78	BKB 1838	40S	40S	10MS	10S	10MS	45	36	36
79	BKB 1839	80S	80S	80S	60S	40S	56	68	99

80	BKB 1840	40S	0	0	0	TR	57	78	99
80A	Infector	60S	80S	100S	60S	80S	78	78	79
81	BKB 1841	0	30S	20S	40S	20MS	45	46	36
82	BKB 1842	TMS	40S	40S	10S	20S	46	35	99
83	BKB 1843	0	30S	10MR	0	0	35	35	35
84	BKB 1844	5S	30S	20S	5S	20MS	57	46	89
85	BKB 1845	0	0	0	0	10MS	46	36	47
86	BKB 1846	20S	20S	40S	10S	20MS	56	46	47
87	BKB 1847	40S	60S	20MS	10S	40S	45	46	57
88	BKB 1848	20MS	40S	10S	10S	20MR	35	57	57
89	BKB 1849	40S	100S	100S	80S	100S	56	68	99
90	BKB 1850	5MS	30S	10S	5S	20MS	45	57	99
91	UPBM 1	20S	30S	20S	5S	40MS	47	36	35
92	UPBM 2	20MS	5S	10MS	0	0	56	46	35
93	UPBM 3	10S	10S	40S	10S	20S	47	24	35
94	UPBM 4	0	0	0	0	0	56	46	47
95	UPBM 5	10MS	15S	40S	60S	30MS	45	35	47
96	UPBM 6	0	15S	10S	10S	TR	46	46	47
97	UPBM 7	0	20S	10S	0	0	45	36	47
98	UPBM 8	5MS	20S	5MR	0	5MS	56	46	47
99	UPBM 9	0	0	0	0	TMS	35	57	57
100	UPBM 10	5MS	20S	5S	5S	10MS	47	46	36
100A	Infector	60S	100S	80S	80S	80S	46	78	89
101	UPBM 11	5MS	20S	10S	5MS	10MS	56	35	36
102	UPBM 12	0	0	0	0	TR	45	35	35
103	UPBM 13	0	10S	TMR	0	TMS	46	36	38
104	UPBM 14	20S	20S	15S	10S	30MS	45	36	47
105	UPBM 15	10S	20S	20S	40S	20MS	47	46	45
106	UPBM 16	0	0	5MS	5S	10MS	35	24	47
107	UPBM 17	5MS	15S	10S	40S	TR	45	24	37
108	UPBM 18	0	0	5MS	0	0	46	35	37
109	BH 1801	0	10S	20MS	5S	5MS	47	24	46
110	BH 1802	TMR	0	10MR	0	10MS	56	46	46
111	BH 1803	0	0	0	0	5MS	68	57	46
112	BH 1804	20S	80S	60S	40S	40S	57	35	38
113	BH 1805	0	0	TMR	TMS	80S	45	67	79
114	BH 1806	60S	80S	80S	60S	20S	46	58	38
115	BH 1807	60S	80S	80S	60S	40S	45	36	38
116	BH 1808	60S	80S	80S	60S	40MS	47	46	46
117	BH 1809	10S	0	5MS	5S	10MS	57	67	36
118	BH 1810	5MS	0	0	0	0	45	78	46
119	BH 1811	5S	0	0	0	0	56	78	46
120	BH 1812	5S	0	0	0	TR	46	67	48
120A	Infector	80S	80S	100S	60S	80S	56	78	89

121	BH 1813	0	15S	0	0	40S	45	36	99
122	BH 1814	5MS	0	0	0	0	46	46	46
123	BH 1815	0	0	0	0	0	56	57	99
124	BH 1816	0	15S	TMS	0	0	78	47	36
125	BH 1817	0	0	0	0	TR	57	46	46
126	BH 1818	TMS	0	5MS	10S	TMS	45	68	48
127	BH 1819	0	0	5MS	5S	TMS	46	78	46
128	BH 1820	5R	15S	10MS	0	TR	55	57	47
129	BH 1821	0	0	10S	10S	5MS	56	46	46
130	BH 1822	0	0	TMS	5S	10MS	45	45	47
131	BH 1823	10S	10S	5MS	10S	TR	47	67	48
132	BH 1824	10S	0	10S	10S	TMS	56	57	48
133	BH 1825	0	15S	0	20S	0	45	68	48
134	BH 1826	5R	0	20S	5S	0	47	46	46
135	BH 1827	TMS	20S	0	40S	10S	47	36	46
136	BH 1828	0	5S	20S	0	0	56	46	46
137	BH 1829	5MS	10S	0	0	TR	46	57	46
138	BH 1830	10MS	5S	0	0	0	45	68	99
139	BH 1831	0	0	0	5S	5MS	47	67	89
140	BH 1832	0	0	TMS	5S	5MS	45	36	57
140A	Infector	60S	80S	100S	80S	80S	45	78	89
141	BH 1833	5MS	0	TMS	0	5MS	46	68	46
142	BH 1834	5S	0	TMS	0	TR	56	46	36
143	BH 1835	0	0	5MS	10S	0	46	57	38
144	BH 1836	TMR	20S	10S	10S	10MS	57	46	46
145	BH 1837	10S	30S	20S	40S	5MS	67	68	35
146	BH 1838	0	10S	10S	5S	20S	56	58	46
147	BH 1839	20MS	10S	10S	20S	TMS	46	68	46
148	BH 1840	0	5MS	0	0	0	45	68	46
149	BH 1841	0	0	0	5S	TR	56	46	46
150	BH 1842	TMR	0	0	0	0	67	57	35
151	BH 1843	10S	0	5MR	5S	5MS	56	58	47
152	BH 1844	0	0	5MS	0	TMS	56	58	47
153	BH 1845	5MS	20S	5MS	0	0	57	68	47
154	BH 1846	0	30S	5S	5S	0	47	78	46
155	BH 1847	TR	5MR	5S	5S	5MS	45	46	46
156	BH 1848	0	30S	5S	5S	TMS	57	45	89
157	BH 1849	TMS	0	5S	0	TR	46	57	99
158	BH 1850	0	0	0	5S	0	56	36	89
159	BH 1851	5MS	0	5MS	5S	0	56	24	35
160	BH 1852	0	0	5S	5S	0	47	24	35
160A	Infector	60S	80S	80S	80S	80S	67	78	89
161	BBM 795	0	0	10S	0	0	45	46	99
162	BBM 796	10S	0	0	0	0	56	35	89

163	BBM 797	0	0	0	0	0	45	46	89
164	BBM 798	0	0	0	5S	0	46	57	37
165	BBM 799	TMS	0	5MS	5S	0	47	36	47
166	BBM 800	0	0	0	0	0	56	35	47
167	BBM 801	5S	10S	20S	20S	10MS	57	35	36
168	BBM 802	0	10S	10S	10S	0	45	35	37
169	BBM 803	5MR	5MR	TMR	5S	5MS	46	35	47
170	BBM 804	0	10S	5MS	0	TR	45	35	48
171	BBM 805	20MR	0	0	0	TMS	56	36	48
172	BBM 806	10MS	0	0	0	0	45	46	89
173	BBM 807	5MR	0	TMS	0	0	46	24	89
174	BBM 808	TMS	0	20S	10S	10MS	56	36	46
175	BBM 809	0	0	20S	40S	20S	47	35	47
176	BBM 810	5MS	10S	20S	5S	10MS	56	35	57
177	BBM 811	0	0	0	0	TR	45	24	46
178	BBM 812	TMS	0	0	0	0	46	35	48
179	BBM 813	5MR	0	TR	0	0	56	46	48
180	BBM 814	0	0	0	0	0	56	35	89
180A	Infector	60S	80S	80S	80S	60S	78	78	89
181	BBM 815	TMS	0	0	0	0	45	35	37
182	BBM 816	0	0	0	0	0	45	35	99
183	BBM 817	5S	0	TMS	0	0	56	35	46
184	BBM 818	0	0	TMR	0	5MS	57	35	46
185	BBM 819	10MS	0	0	0	TMS	45	36	46
186	BBM 820	0	0	0	0	0	56	35	36
187	BBM 821	TMR	0	0	0	0	46	35	37
188	BBM 822	5S	0	0	0	0	56	36	35
189	BBM 823	5MR	0	10S	0	5MS	46	46	46
190	BBM 824	10MS	0	40S	5S	0	57	36	46
191	BBM 825	0	0	10MS	0	0	46	35	45
192	BBM 826	0	0	TMR	0	TMS	56	34	NG
193	BBM 827	10MS	5MR	0	0	TR	57	34	45
194	BK 1801	0	10S	0	TMS	20S	46	46	37
195	BK 1802	0	0	0	0	0	45	35	99
196	BK 1803	0	0	15MS	0	TR	45	36	46
197	BK 1804	20MS	0	5S	0	TR	56	46	99
198	BK 1805	0	0	TMR	0	TMS	45	35	36
199	BK 1806	TMR	10S	TMS	10S	TR	47	36	35
200	BK 1807	0	0	TMS	5S	TMS	56	36	46
200A	Infector	60S	80S	100S	80S	80S	57	78	89
201	BK 1808	0	5S	TMS	10S	0	45	46	89
202	BK 1809	5S	0	0	0	0	56	35	35
203	BK 1810	20MS	0	10S	0	TR	56	36	46
204	BK 1811	TMR	0	0	0	TMS	57	35	46

205	BK 1812	TMS	0	10MS	0	0	46	35	35
206	BK 1813	-	0	0	0	0	45	36	89
207	BK 1814	10S	5S	0	0	TR	56	36	46
208	BK 1815	0	0	0	0	TMR	47	35	47
209	BK 1816	5S	0	0	0	TMS	57	35	89
210	BK 1817	10S	0	5MS	0	5MS	46	35	35
211	BK 1818	5S	0	0	0	10MS	45	35	46
212	BK 1819	TMR	0	0	0	TR	56	36	48
213	BK 1820	5MS	0	15S	5S	20MS	57	35	48
214	BK 1821	0	0	0	0	0	47	35	35
215	BK 1822	5MS	0	0	0	0	45	35	46
216	BK 1823	10S	30S	40S	40S	20S	46	36	35
217	BK 1824	5MR	20S	10S	10S	10S	56	68	89
218	BK 1825	0	10S	10S	5S	10S	57	58	89
219	BK 1826	10S	15S	10S	5S	10S	47	35	89
220	BK 1827	0	10MR	10MR	0	20MS	56	46	35
220A	Infector	60S	80S	100S	80S	80S	57	78	89
221	BK 1828	0	20S	0	5S	TMR	46	35	99
222	BK 1829	5S	20S	10MS	TS	TMS	56	46	85
223	BK 1830	5MS	10S	TMR	0	TR	45	35	78
224	HUBL 1801	10S	100S	80S	80S	80S	46	36	89
225	HUBL 1802	0	60S	40S	40S	60S	56	36	89
226	HUBL 1803	60S	60S	100S	80S	80S	57	46	89
227	HUBL 1804	20S	80S	60S	60S	60S	46	35	89
228	HUBL 1805	40S	80S	80S	80S	80S	45	45	78
229	HUBL 1806	40S	80S	80S	80S	60S	56	45	89
230	HUBL 1807	10MS	100S	80S	80S	80S	57	35	89
231	HUBL 1808	0	100S	60S	80S	60S	56	34	78
232	HUBL 1809	TMR	20S	40S	40S	20MS	57	35	68
233	HUBL 1810	0	40S	80S	60S	40S	56	46	78
234	HUBL 1811	0	80S	80S	60S	60S	56	36	89
235	HUBL 1812	5S	80S	80S	60S	60S	56	36	79
236	HUBL 1813	10S	80S	100S	60S	60S	56	35	89
237	HUBL 1814	0	100S	80S	80S	80S	67	36	89
238	HUBL 1815	0	80S	80S	80S	80S	56	45	89
239	HUBL 1816	40S	100S	80S	80S	60S	47	35	89
240	HUBL 1817	10S	60S	80S	60S	20MS	45	34	79
240A	Infector	60S	100S	100S	80S	80S	57	78	79
241	HUBL 1818	0	0	5MR	5S	10MS	56	35	99
242	HUBL 1819	5S	80S	80S	40S	60S	45	46	99
243	HUBL 1820	0	80S	80S	40S	40S	56	36	79
244	HUBL 1821	TMS	60S	80S	40S	40S	45	36	89
245	HUBL 1822	10S	0	0	0	10MS	47	35	68
246	HUBL 1823	10S	60S	80S	40S	60S	56	35	79

247	HUBL 1824	0	60S	80S	60S	40S	46	35	68
248	HUBL 1825	5S	80S	100S	60S	60S	47	45	46
249	HUBL 1826	0	30S	10S	20S	20MS	56	35	47
250	HUBL 1827	0	30S	20S	20S	60S	57	46	38
251	HUBL 1828	0	15S	10MS	0	0	56	35	47
252	HUBL 1829	TMS	0	40S	20S	20MS	46	23	47
253	HUBL 1830	0	0	0	TMS	10MS	45	35	89
254	HB 1801	0	15S	0	TS	20S	56	35	89
255	HB 1802	5S	0	0	0	0	57	46	89
256	HB 1803	0	0	0	0	20MS	56	57	89
257	HB 1804	0	0	10MR	0	10MS	45	36	89
258	HB 1805	0	0	0	0	5MS	56	35	89
259	HB 1806	TMR	0	5MS	5S	TMS	56	24	89
260	HB 1807	0	0	0	0	10MS	57	35	89
260A	Infector	80S	80S	100S	80S	80S	78	78	89
261	HB 1808	60S	0	0	0	20S	46	24	48
262	HB 1809	40S	0	0	0	TR	47	46	57
263	HB 1810	60S	0	0	0	0	56	58	46
264	HB 1811	60S	0	0	0	0	57	36	89
265	HB 1812	60S	0	10S	0	5MS	45	35	NG'
266	HB 1813	60S	0	0	5S	0	46	46	79
267	HB 1814	60S	15S	5S	5S	TMS	56	24	79
268	HB 1815	60S	0	10S	5S	10S	47	24	79
269	HB 1816	60S	0	TMR	5MS	0	57	35	47
270	HB 1817	10S	0	0	0	TR	46	35	57
271	NDB 1726	0	100S	100S	80S	80S	57	36	89
272	NDB 1727	5S	60S	20S	5MS	20S	46	35	48
273	NDB 1728	0	0	TMR	0	0	45	36	46
274	NDB 1729	5S	20S	40S	10S	0	46	24	47
275	NDB 1730	0	0	20S	10S	20MS	47	24	46
276	NDB 1731	60S	0	0	0	10MS	56	46	79
277	NDB 1732	0	40S	80S	40S	40S	56	35	79
278	NDB 1733	0	40S	80S	40S	40S	57	36	89
279	NDB 1734	0	0	10MS	0	0	45	24	89
280	NDB 1735	-	0	TMR	TS	0	46	24	79
280A	Infector	60S	80S	100S	80S	80S	67	78	79
281	NDB 1736	0	0	0	TS	20S	68	68	99
282	NDB 1737	0	40S	40S	40S	40MS	45	46	79
283	NDB 1738	20S	20S	5MS	5S	TR	46	46	89
284	NDB 1739	0	10S	TR	0	TR	56	36	89
285	NDB 1740	10S	0	0	5S	0	57	36	89
286	NDB 1741	0	20S	10S	10S	0	45	35	47
287	NDB 1742	TMS	20S	10S	20S	5MS	46	24	47
288	NDB 1743	0	30S	40S	60S	40S	57	24	47

289	NDB 1744	5S	0	10S	0	TR	45	24	36
290	NDB 1745	0	0	0	0	20S	57	35	36
291	NDB 1746	0	40S	60S	20S	40MS	45	36	78
292	NDB 1747	5S	0	0	0	5MS	56	24	35
293	NDB 1748	5MS	0	TR	5S	0	46	36	35
294	NDB 1749	10S	80S	40S	10S	20S	45	24	38
295	NDB 1750	0	0	10MS	0	0	46	24	37
296	VB 1801	20S	30S	60S	40S	20S	56	36	57
297	VB 1802	20S	0	40S	20S	20MS	57	24	47
298	VB 1803	10S	0	20S	5S	TS	45	24	89
299	VB 1804	10MS	0	10MS	10S	20S	46	35	99
300	VB 1805	10MS	0	0	0	TR	45	24	89
300A	Infector	60S	80S	100S	80S	80S	56	78	89
301	VB 1806	TMR	0	30S	40S	20S	57	24	99
302	VB 1807	0	30S	40S	40S	20MS	46	24	79
303	VB 1808	0	15S	15S	5S	TR	35	24	47
304	VB 1809	5S	10S	20S	20S	10MS	45	24	79
305	VB 1810	10S	15S	20S	40S	0	56	24	79
306	VB 1811	0	0	TMR	0	0	35	35	89
307	VB 1812	0	20S	10MS	0	40MS	45	36	89
308	VB 1813	20MR	40S	20S	20S	20MS	46	46	89
309	VB 1814	10S	5MS	0	0	0	57	36	89
310	VB 1815	0	0	5S	5S	0	56	46	89
311	VB 1816	5S	20S	5S	10S	20MS	47	57	78
312	VB 1817	5MS	30S	30S	40S	0	56	68	89
313	VB 1818	10S	0	10S	0	0	36	46	89
314	VB 1819	0	0	TMR	0	TMS	45	57	58
315	VB 1820	20MS	5S	10R	0	0	46	68	89
316	VB 1821	20MS	0	10S	5S	TR	56	35	48
317	VB 1822	10S	0	5MR	0	0	45	36	48
318	VB 1823	40S	30S	20S	10S	0	45	46	99
319	VB 1824	10MS	0	0	0	0	46	35	99
320	VB 1825	0	5MS	10S	0	0	56	46	79
320A	Infector	60S	80S	100S	60S	80S	57	78	89
321	VB 1826	0	0	0	0	0	45	35	78
322	VB 1827	0	0	5MS	0	0	45	24	48
323	VB 1828	5S	0	10S	0	0	56	24	48
324	VB 1829	10S	0	TMR	0	TMS	46	36	57
325	VB 1830	0	15S	10S	0	0	45	36	NG'
326	VB 1831	0	0	15S	0	0	35	35	47
327	BL1500	40S	15S	20S	5S	0	34	24	57
328	BL1505	10S	0	20S	0	5MS	45	24	99
329	BL1506	0	5MS	10S	0	10MS	46	24	89
330	BL1507	5S	10S	20S	5S	0	35	36	89

331	BL1513	5MS	20S	80S	60S	20MS	34	35	89
332	BL1514	10S	20S	30S	40S	10MS	46	24	89
333	BL1517	0	30S	60S	60S	40MS	34	24	36
334	BL1519	5S	10MS	10S	40S	5MS	45	35	89
335	BL1520	20S	10S	20S	20S	TR	45	24	89
336	BL1522	40MS	5S	10S	5S	0	46	24	79
337	BL1528	20S	15S	20S	40S	10MS	35	24	45
338	BL1530	10MS	20S	20S	40S	0	45	24	48
339	BL1533	0	20S	TMR	10S	0	34	24	47
340	BL1535	TMR	0	0	0	TR	45	46	99
340A	Infector	60S	100S	100S	80S	80S	46	78	89
341	BL1550	0	0	0	0	0	45	24	99
342	BL1553	5S	15S	TMS	5S	0	45	36	89
343	BL1554	10S	0	TMS	5S	TR	35	46	99
344	BL1560	0	10S	5S	0	5MS	34	35	99
345	BL1563	0	0	0	0	TMS	34	24	89
346	BL1567	10S	10S	TMR	0	TR	45	24	99
347	BL1568	10S	0	15S	5S	5MS	45	24	89
348	BL1569	0	20S	15S	20S	0	46	35	89
349	BL1572	0	0	5MR	5S	20S	34	36	99
350	BL1573	10MS	5S	5S	0	5MS	45	35	99
351	BL1582	5MS	0	0	0	0	56	35	99
352	BL1600	20S	0	5MS	5S	10MS	34	24	47
353	BL1601	5S	5MS	10S	5S	20S	35	24	47
354	BL1604	5MS	5S	TMR	0	10MS	45	24	47
355	BL1612	20S	5S	5MS	10S	TMS	35	25	89
356	BL1618	10S	10S	10S	0	0	34	35	48
357	BL1644	5MS	15MS	10S	0	TMS	45	24	68
358	BL1646	20S	15S	10S	40S	5MS	34	24	48
359	BL1650	10S	0	5S	60S	10S	35	36	89
360	BL1655	10MS	0	10S	5S	0	45	35	89
360A	Infector	60S	80S	100S	80S	80S	45	78	89
361	BL1662	0	0	0	0	20MS	34	46	99
362	BL1663	20S	5MR	10MR	0	0	45	35	89
363	BL1664	0	0	TMS	0	0	46	36	89
364	BL1665	5MS	0	TMS	0	0	35	24	57
365	BL1666	40S	10S	5MS	0	0	36	24	89
366	BL1667	20S	15S	TMS	0	0	45	24	47
367	BL1668	TMR	20S	TMR	0	TR	45	36	89
368	BL1669	0	15S	20MR	10S	5MS	36	46	99
369	BL1671	10MS	0	0	0	0	45	24	99
370	BL1672	5MS	5S	5MS	20S	TR	35	24	89
371	BL1673	TMS	20S	30S	40S	20MS	46	24	68
372	BL1674	0	0	0	0	10MS	78	36	68