

APPENDIX I. DETAILS OF CYTOGENETICS STOCKS

A. Nullisomic-tetrasomic stocks

B. Ditelosomic stocks

S. No.	Name of stock	Name of stock
1.	Nullisomic-1A Tetrasomic-1B	CS Ditelosomic 1AS
2.	Nullisomic-1A Tetrasomic-1D	CS Ditelosomic 1AL
3.	Nullisomic-1B Tetrasomic-1A	CS Ditelosomic 1BS
4.	Nullisomic-1B Tetrasomic-1D	CS Ditelosomic 1BL
5.	Nullisomic-1D Tetrasomic-1A	CS Ditelosomic 1DS
6.	Nullisomic-1D Tetrasomic-1B	CS Ditelosomic 1DL
7.	Nullisomic-2A Tetrasomic-2B	CS Ditelosomic 2AS
8.	Nullisomic-2A Tetrasomic-2D	CS Ditelosomic 2AL
9.	Nullisomic-2B Tetrasomic-2A	CS Ditelosomic 2BL
10.	Nullisomic-2B Tetrasomic-2D	CS Ditelosomic 2DS
11.	Nullisomic-2D Tetrasomic-2A	CS Ditelosomic 2DL
12.	Nullisomic-2D Tetrasomic-2B	CS Ditelosomic 3AL
13.	Nullisomic-3A Tetrasomic-3B	CS Ditelosomic 3BS
14.	Nullisomic-3A Tetrasomic-3D	CS Ditelosomic 3BL
15.	Nullisomic-3B Tetrasomic-3A	CS Ditelosomic 3DL
16.	Nullisomic-3B Tetrasomic-3D	CS Ditelosomic 4AS
17.	Nullisomic-3D Tetrasomic-3A	CS Ditelosomic 4AL
18.	Nullisomic-3D Tetrasomic-3B	CS Ditelosomic 4BS
19.	Nullisomic-4A Tetrasomic-4B	CS Ditelosomic 4DS
20.	Nullisomic-4A Tetrasomic-4D	CS Ditelosomic 4DL
21.	Nullisomic-4B Tetrasomic-4A	CS Ditelosomic 5AL
22.	Nullisomic-4B Tetrasomic-4D	CS Ditelosomic 5BS
23.	Nullisomic-4D Tetrasomic-4A	CS Ditelosomic 5BL
24.	Nullisomic-4D Tetrasomic-4B	CS Ditelosomic 5DL
25.	Nullisomic-5A Tetrasomic-5B	CS Ditelosomic 6AS
26.	Nullisomic-5A Tetrasomic-5D	CS Ditelosomic 6AL
27.	Nullisomic-5B Tetrasomic-5A	CS Ditelosomic 6BS
28.	Nullisomic-5B Tetrasomic-5D	CS Ditelosomic 6BL
29.	Nullisomic-5D Tetrasomic-5A	CS Ditelosomic 6DS
30.	Nullisomic-5D Tetrasomic-5B	CS Ditelosomic 6DL
31.	Nullisomic-6A Tetrasomic-6B	CS Ditelosomic 7AL
32.	Nullisomic-6A Tetrasomic-6D	CS Ditelosomic 7BS
33.	Nullisomic-6B Tetrasomic-6A	CS Ditelosomic 7BL
34.	Nullisomic-6B Tetrasomic-6D	CS Ditelosomic 7DS
35.	Nullisomic-6D Tetrasomic-6A	CS Ditelosomic 7DL
36.	Nullisomic-6D Tetrasomic-6B	
37.	Nullisomic-7A Tetrasomic-7B	
38.	Nullisomic-7A Tetrasomic-7D	
39.	Nullisomic-7B Tetrasomic-7A	
40.	Nullisomic-7B Tetrasomic-7D	
41.	Nullisomic-7D Tetrasomic-7A	
42.	Nullisomic-7D Tetrasomic-7B	

C. Deletion stocks

S. No.	Arm/Line	Fraction length	Pedigree
I.	1AS		
1.	1AS-5	0.20	E94-1AS.5-1(1AS-5", 5AS-11", 6DL-13") self
2.	1AS-1	0.47	E92-1AS.1-3 (1AS-1") self
3.	1AS-4	0.76	E93-1AS.4-1 (1AS-4", 6BL-3") self
4.	1AS-3	0.86	E93-1AS.3-2 (1AS-3", 4AL-2'/4A') self
II.	1AL		
5.	1AL-4	0.47	EOO-1AL.1-3 (1AS-1") self
6.	1AL-3	0.61	E92b-1AL.3-8 (1AL-3",4BL-12'/4B') self
III.	1BS		
7.	1BS-1	0.35	E92-1BS.1-2 (1BS-1") self
8.	1BS-15	0.50	E92b-1 BS.15-5(1BS-15",7DS-7 /7D') self
9.	1BS-7	0.80	E92-1BS.7-1(1BS-7") self
10.	1BS-2	1.06	E92-1BS.2-2 (1BS-2", 7DS-3") self
11.	1BS-20	0.72	E92-1BS.20-1 (1BS-20") self
12.	1BS-5	0.30 Sat	E92-1BS.5-2 (1BS-5") self
13.	1BS-18	0.50 Sat	E98-1AS.1-3 (1AS-1") self
IV.	1BL		
14.	1BL-6	0.32	E92-1 BL. 6-1 (1 BL-6") self
15.	1BL-1	0.47	E92-1 BL.1-1 (1 BL-1 ") self
16.	1BL-9	0.73	E93-1BL. 9-1 (1BL-9" ,4AS-2") self
17.	1BL-15	0.82	EOO-1BL.15-2 (1BL-15") self
18.	1BL-3	0.85	E92b-5AS.1 0-1 (1BL-3 11 ,5AS-1 Oil, 6DL-11 ") self
19.	1BL-10	0.89	E92b-1BL. 10-6 (1BL-10") self
V.	1DS		
20.	1DS-3	0.48	E92-1DS.3-5 (IDS-3") self
21.	1DS-2	0.57	E89b-118-1(IDS-2",5BS-1") self
22.	1DS-1	0.59	E89b-117-1 (IDS-1") self
23.	1DS-4	0.60	E92-1 DS.4-2 (IDS-4") self
24.	1DS-5	0.70	E93-1 DS.5-2 (1 DS-5") self
VI.	1DL		
25.	1DL-4	0.18	E96-1DL.4-1 (IDL-4") self
26.	1DL-1	0.23	E96-1 DL.1-1 (1 DL-1 ") self
27.	1DL-7	0.25	E96-1DL.7-3 (1DL-7") self
28.	1DL-6	0.29	E96-1DL.6-1 (1DL-6") self
29.	1DL-2	0.41	E94 -1DL.2-3 (1DL-2") self
30.	1DL-9	0.64	E96-1DL.9-7(1DL-9",1BS-23'/ 1B') self
VII.	2AS		
31.	2AS-1	0.00	E94 -6DS.1-4 (6DS-1'/6D',7BL-1' / 7B) self
32.	2AS-5	0.78	E94 -2AS.5 -3 (2AS-5") self
VIII.	2AL		
33.	2AL-2	0.00	E94 -2AL.2- 2 {(kotschyi), 2AL- 2"} self
34.	2AL-4	0.27	E94 -2AL.4 -1 (2AL-4")self

35.	2AL-5	0.68	E94 -2AL.a (2AS-8:2AL-5", 3B?) self
36.	2AL-3	0.77	E94 -2AL.3-1 (2AL-3") self
37.	2AL-1	0.85	E94 -2AL.I-2 (2AL-I") self
IX.	2BS		
38.	2BS-2	0.15	E92b-2BS.2-1 (2BS-2") self
39.	2BS-11	0.27	E93-2BS.II-1 (2BS-II") self
40.	2BS-1	0.53	E92-2BS.I-2 (2BS-I") self
41.	2BS-6	0.56	E92-146-1O (2BS-6",7 AS-9'/7 A') self
42.	2BS-12	0.81	E92-14S-10 (2BS-12",5BL-13',5DS-2'/5D',7 AL-15'/7 A') self
43.	2BS-7	0.89	E92-2BS.7-5 (2BS-5") self
X.	2BL		
44.	2BL-2	0.36	E97-2BL.2-1 (2BL-2",7 AS-I") self
45.	2BL-13	0.59	E94 -2BL.13-6 (2BL-13 ¹ ,6BL-13") self
46.	2BL-5	0.65	E92-2BL.5-2 (2BL-5") self
47.	2BL-1	0.69	E92-2BL.1-1 (2BL-I") self
48.	2BL-6	0.89	E92-2BL.6-2 (2BL-6",5AS-6'/5A') self
XI.	2DS		
49.	2DS-2	0.00	E94 -2DS.2-1(2DS-2") self
50.	2DS-1	0.33	E94 - 2DS.I-1 (2DS-I ¹ ,5AS-12") self
51.	2DS-4	0.41	E94 -2DS.4-1 (2DS-4") self
52.	2DS-5	0.47	E94 -2DS.5-1 (2DS-5") self
XII.	2DL		
53.	2DL-2	0.09	E97-2DL.2-2 (2DL-2") self
54.	2DL-4	0.26	E97-2DL.4 -1 (2DL-4") self
55.	2DL-1	0.49	E94 -2DL.1-1 0 (2DL-I") self
56.	2DL-8	0.58	E94 -2DL.8-1 {(kotschyi),2DL-8"} self
57.	2DL-II	0.66	E94-2DL.11-5 {(kotschyi),2DL-11"} self
58.	2DL-13	0.69	E97-2DL-.13-4 (2DL-13") self
XIII.	3AS		
59.	3AS-1	0.13	E92-3AS.1-3 (3AS-I") self
60.	3AS-2	0.23	E92-3AS.2-1(3AS-2") self
61.	3AS-4	0.45	E92-5DS.3-5 (3AS-4",5D') self
XIV.	3AL		
62.	3AL-2	0.21	E92-3AL.2-3 (3AL-2") self
63.	3AL-6	0.21	E92b-3AL.6-8 (3AL-6") self
64.	3AL-1	0.26	E92-3AL.I-2 (3AL-I") self
65.	3AL-3	0.42	E92-3AL.3-2 (3AL-3") self
66.	3AL-8	0.85	E92-5AS.8 (3-AI L-8 ¹ ,5AS-8") self
XV.	3BS		
67.	3BS-5	0.20	E92-3BS.5-3 (3BS-I", IBL-5'/IB') self
68.	3BS-1	0.33	E92-3BS.1-1 (3BS-I") self
69.	3BS-4	0.55	E92-3BS.4-1 (3BS-4") self
70.	3BS-2	0.56	E92-3BS.2-1 (3BS-2") self
71.	3BS-8	0.78	E92-4AS.3-4 (3BS-8",7BL-10") self

72.	3BS-3	0.87	E92-3BS.3-1(3BS-3") self
XVI.	3BL		
73.	3BL-2	0.22	E94 -5AL.2-2 (3BL-1",4DL-2'/4D') self
74.	3BL-8	0.25	E92-3BL.8-1 (3BL-8") self
75.	3BL-3	0.41	E92-3BL.3-1 (3BL-3") self
76.	3BL-10	0.50	E92-3BL.I 0-1 (3BL-10") self
77.	3BL-7	0.63	E92-3BL.7-1 (3BL-7") self
78.	3BL-11	0.81	E94 -3BL.11-8 (3BL-11") self
XVII.	3DS		
79.	3DS-10	0.31	E94 -71-4 (3DS-10") self
80.	3DS-1	0.39	E92-7 AL:3-8 (3DS-1") self
81.	3DS-5	0.49	E92-3DS.5-2 (3DS-5") self
82.	3DS-4	0.59	E92-3DS.4-8 (3DS-4") self
XVIII.	3DL		
83.	3DL-1	0.23	E94 -3DL.1-4 (3DL-1") self
84.	3DL-3	0.81	E92-3DL.a-2 (3DL-3") self
XIX.	4AS		
85.	4AS-1	0.20	E96-4AS.1-5 (4AS-1") self
86.	4AS-4	0.63	E92-4AS.4-2 (4AS-4",6DL-I 0") self
87.	4AS-2	0.71	E92-4AS.2-1 (4AS-2") self
88.	4AS-3	0.76	E93-4AS.3-4 (4AS-3") self
XX.	4AL		
89.	4AL-12	0.43	E92B-4AL.12-3 (4AL-12") self
90.	4AL-13	0.59	E92b-4AL.13-2 (4AL-13", 7 AL-21") self
91.	4AL-5	0.66	E92-4AL.5-2 (4AL-5",7BL-6' / 7B') self
92.	4AL-14	0.79	E98-4AL.14 -1(4AL-14") self
93.	4AL-4	0.80	E92-4AL.4-1 (4AL-4", 6DL-I") self
94.	4AL-6	0.86	E92-4AL.6-1 (4AL-6") self
XXI.	4BS	-NA-	
XXII.	4BL		
95.	4BL-6	0.10	E92-4BL.6-2 (4BL-6") self
96.	4BL-4	0.55	E92-4BL.4 -4 (4BL-4", 1AS-3",4AL-2') self
97.	4BL-13	0.62	E92-134 -5 (4BL-13", 6AL-7'1 6A', 7AL-21'17A') self
98.	4BL-3	0.68	E92-4BL.3-1 (4BL-3") self
99.	4BL-7	0.70	E92b-4BL. 7 -6(4BL-7", SDL-8'/SD',6Dtrl'/6D') self
100.	4BL-1	0.86	E92-4BL.1-1 (4BL-1") self
101.	4BL-10	0.95	E93-4BL.10-1(4BL-10") self
XXIII.	4DS		
102.	4DS-1	0.53	E96-4DS.1-1 (4DS-1") self
103.	4DS-3	0.67	E92-4DS.3-1 (4 DS-3") self
104.	4DS-2	0.82	E92-4DS.2-1 (4DS-2") self
XXIV.	4DL		
105.	4DL-S	0.09	E92-4DL.S-2 (4DL-S") self
106.	4DL-6	0.38	E92-4DL.6-1 {(kotschy),4DL-6"}self

107.	4DL-7	0.41	E92-4DL.7-1(4DL-7") self
108.	4DL-1	0.46	E92-4DL.1-2 (4DL-1") self
109.	4DL-13	0.56	E93-4DL.13-2 (4DL-13") self
110.	4DL-11	0.61	E92b-4DL.11-2 (4DL-11 ") self
111.	4DL-2	0.70	E92b-4DL.-2-1 (4DL-2") self
XXV.	5AS		
112.	5AS-1	0.40	E9S-5AS.1-6 (5AS.1") self
113.	5AS-13	0.54	E9S-5AS.13-1 (5AS-13") self
114.	5AS-3	0.75	E92-5AS.3-2 (5AS-3") self
115.	5AS-6	0.97	E92-5AS.6-1 (5AS-6") self
116.	5AS-2	1.00	E92-5AS.2-7(5AS-2") self
XXVI.	5AL		
117.	5AL-21	0.33	E94-5AL.21-1 (5AL-21 ") self
118.	5AL-22	0.56	E97-5AL.22-3 (5AL-22") self
119.	5AL-1S	0.57	E93-5AL.1S-1 (5AL-1S") self
120.	5AL-6	0.68	E92-5AL.6- 2 (5AL-6") self
121.	5AL-17	0.78	E93-5AL.17-2 (5AL-17") self
122.	5AL-20	0.82	E92b-5AL.20-1 (5AL-20") self
123.	5AL-23	0.87	E93-5AL.a-3 (5AL-23") self
XXVII.	5BS		
124.	5BS-7	0.13	E9S-5BS7.-2 (5BS-7") self
125.	5BS-4	0.43	E9S-5BS.4-2 (5BS-4", 7 AS-1") self
126.	5BS-8	0.56	E92-5BS.8-7 (5BS-8") self
127.	5BS-S	0.71	E9S-5BS.S-2 (5BS-S",5AS-8'/SA') self
128.	5BS-6	0.81	E92-5BS .6-6 (5BS-6") self
XXVIII.	5BL		
129.	5BL-8	0.52	E97-5BL.8-4 (5BL-8", SD") self
130.	5BL-11	0.59	E99-5BL.11-1 (5BL-11 ") self
131.	5BL-14	0.75	E9S-5BL.14 -3 (5BL-14") self
132.	5BL-16	0.79	E96-5BL.16-1 (5BL-16") self
133.	5BL-13	0.82	E9S-5BL.13-1 (5BL-13", 2BS-12'/2B',7AL-1S/ 7A') self
XXIX.	5DS		
134.	5DS-4	0.22	E94-5DS.4 -3 (5DS-4") self
135.	5DS-1	0.63	E90b-144 -4 (5DS-1") self
136.	5DS-S	0.67	E9S-5DS.S-3 (5DS-S") self
137.	5DS-2	0.78	E9S-5DS.2-6 (5DS- 2") self
XL.	5DL		
138.	5DL-1	0.60	E97-5DL.1-1 (5DL-1",1D') self
139.	5DL-2	0.69	E95-5DL.2-6 (5DL-2") self
140.	5DL-13	0.72	E95-5DL.13-2 (5DL=-13 ") self
141.	5DL-5	0.76	E89b-159-1 (5DL-5") self
XLI.	6AS		
142.	6AS-1	0.35	E94-6AS.1-2 (6AS-1",1AS-5'/1A', 5AS-11 ", 6DL-13") self
143.	6AS-4	0.67	E93-6AS.4 -1 (6AS-4") self
XLII.	6AL		

144.	6AL-3	0.42	E94-6AL.3-1 (6AL-3") self
145.	6AL-4	0.55	E92-6AL. 4-5 (6AL-4") self
146.	6AL-1	0.69	E91-935-1 (6AL-1") self
147.	6AL-5	0.83	E92-6AL.5-2 (6AL-5") self
148.	6AL-7	0.88	E94-6AL. 7-1 (6AL- 7",4BL-13") self
149.	6AL-2	0.89	E92-6AL.2- 2 (6AL-2") self
XLIII.	6BS		
150.	6BS-1	0.25	E94 -6BS.1-1 (6BS-1 ") self
151.	6BS-4	0.46	E94 -6BS.4-2 (6BS-4", 5BS-2") self
152.	6BS-5	0.76	E94 -6BS.5-2 (6BS-5") self
153.	6BS-2	1.05 Nor	E94 -6BS.2-2 (6BS-2") self
154.	6BS-7	0.24 Sat	E94 -6BS.7-1(6BS-7") self
XLIV.	6BL		
155.	6BL-13	0.13	E93-6BL.13 (6BL-13") self
156.	6BL-8	0.66	E92-6BL. 8-9 {(kotschy1), 6BL-8") } self
157.	6BL-6	0.79	E92-6BL.6-7 (6BL-6") self
XLV.	6DS		
158.	6DS-2	0.45	E92-6DS.2-1 (6DS-2",5BS-1'/5B") self
159.	6DS-1	0.54	E94-6D8.1 b-6 (6DS-1 ".6A ") self
160.	6DS-7	0.55	E94-58-4 (6DS-7") self
161.	6DS-4	0.79	E93-6DS.4-1 (6DS-4",1BS-19") self
XLVI.	6DL		
162.	6DL-5	0.07	E92-6DL.5-1 (6DL-5") self
163.	6DL-3	0.21	E92b-6DL.3-6 (6DL-3 ") self
164.	6DL-4	0.28	E94-6DS.3-10 (6DS-3:6DL-4") self
165.	6DL-7	0.66	E94-6DL.7-9 (6DL-7") self
166.	6DL-12	0.68	E93-6DL.12 (6DL-12") self
XLVII.	7AS		
167.	7AS-6	0.21	E92-7 AS:6-1 (7 AS=-6") self
168.	7AS-10	0.45	E98-7 AS.10-1 (7 AS-10") self
169.	7AS-5	0.59	E92-7AS.5-1 (7AS-5") self
170.	7AS-2	0.73	E90b-158-1 (7 AS-2") self
171.	7AS-1	0.89	E90b-157-1 (7 AS-1") self
XLVIII.	7AL		
172.	7AL-4	0.18	E92-7 ALA-1 (7 AL-4 ") self
173.	7AL-14	0.31	E92- 7 AL.14- 2 (7 AL-14 ") self
174.	7AL-10	0.49	E92-4DL.a-1 (4DL-14", 7AL-10") self
175.	7AL-5	0.63	E90b-162- 3 (7 AL- 5 ") self
176.	7AL-8	0.83	E90b-164-1 (7 AL-8 ") self
177.	7AL-18	0.90	E92b-7AL.18-1(7AL-18",3DS-6", 4AL-11", 5AS-9") self
XLIX.	7BS		
178.	7BS-3	0.16	E92b-7BS.3-1 (7BS-3 ") self
179.	7BS-1	0.27	E91-776-4 (7BS-1") self
XLX.	7BL		
180.	7BL-14	0.24	E92b-7BL.14-1 (7BL-14") self

181.	7BL-1	0.40	E92-7BL.1-1 (7BL-1 ") self
182.	7BL-7	0.63	E92-7BL.7-2 (7BL-7", IDS-3") self
183.	7BL-10	0.78	E92b-7BL.1 0- 3 (7BL-1 Oil) self
184.	7BL-6	0.84	E92-7BL.6-2 (7BL-6") self
185.	7BL-3	0.86	E92-7BL.3-2(7BL-3 ") self
XLXI	7DL*		
186.	7DL-3	0.15	E95-7DL.3-2 (7DL-3 ") self
187.	7DL-1	0.37	E95-7DL.1-2 (7DL-1 ") self
188.	7DL-4	0.61	E94-7DL.4-3 (7DL-4") self
XLXII.	7DS*		
189.	7DS-1	0.14	E92-7DS.1-1 (7DS-1 ", 2A') self
190.	7DS-5	0.30	E92-7DS.5-3 (7DS-5") self
191.	7DS-2	0.61	E92-7DS.2-1 (7DS-2") self
192.	7DS-8	0.77	E95-7DS.8-16(7DS-8") self

7DS* genetically long arm

7DL* genetically short arm