

Table 1. X-chromosome nondisjunction and existence of attached-X chromosomes in females with lethal *Trf2* mutations.

First column indicates ordinal number of parent females. Next two columns indicate the amount of regular F1 progeny from $l(1)/FM/Y(?) \times y/Y$ crosses: X/X, total amount of females with $y^+l(1)B^+/yB^+$ and yB/yB^+ genotypes; X/Yx2, doubled amount of males with yB/Y genotype. Next two columns indicate the amount of exceptional F1 progeny: X/0, males with $yB^+/0$ genotype; XX/Y or X^XX/Y, females with $y^+l(1)B^+/yB/Y$ genotype. Q_n - Frequency of X-chromosome nondisjunction, calculated as described in Materials and Methods.

Ordinal number of parent females	Regular progeny		Exceptional progeny	
	♀♀ X/X	♂♂ X/Yx2	♀♀ XX/Y (or X ^X X/Y)	♂♂ X/0
<i>l(1)G0425</i> ; $Q_n=7.18\%$				
1.	83	82	0	0
2.	51	44	1	1
3.	0	0	30	30
4.	0	0	16	27
5.	52	52		
6.	0	0	30	35
7.	51	18	0	0
8.	42	54	0	0
9.	0	0	19	15
10.	0	0	20	20
11.	45	40	0	0
12.	32	26	1	1
13.	66	50	2	3
14.	30	26	0	2
15.	10	3	0	0
16.	43	11	0	0
17.	36	22	1	1
18.	0	0	40	23
19.	95	26	0	0
20.	14	3	0	0
21.	80	70	1	4
22.	30	24	1	1
23.	39	28	1	1
24.	25	22	1	3
25.	27	22	1	2
Total*	416	334	10	19
<i>l(1)G0356</i> ; $Q_n=11.59\%$				
1.	50	30	0	0
2.	99	64	0	0
3.	44	6	0	0
4.	100	76	1	4
5.	71	64	0	0

6.	100	90	5	7
7.	70	56	0	0
8.	0	0	40	35
9.	50	54	0	0
10.	65	74	0	0
11.	0	0	29	31
12.	38	46	0	0
13.	40	12	0	0
14.	28	16	1	2
15.	31	20	0	3
16.	21	24	3	2
17.	26	22	1	1
18.	14	14	3	3
19.	23	26	1	1
20.	41	20	1	2
21.	57	72	0	0
22.	73	52	0	0
23.	39	28	0	0
24.	20	12	1	2
25.	18	16	1	2
26.	23	12	3	2
Total*	445	348	21	31
<i>l(1)G0424; Q_n=17.39%</i>				
1.	54	44	6	4
2.	55	56	8	5
3.	64	54	0	0
4.	55	60	0	0
5.	37	60	5	1
6.	53	58	0	0
7.	53	38	0	0
8.	46	66	0	0
9.	69	66	0	0
10.	46	46	3	2
11.	22	30	2	2
12.	32	38	0	0
13.	38	34	0	0
14.	23	16	3	2
15.	18	20	0	0
16.	22	28	7	4
17.	17	24	1	3
18.	20	18	0	0
19.	42	50	0	0
20.	25	26	4	3
21.	24	16	0	0
22.	41	38	0	0
23.	36	36	0	0
24.	36	34	0	0
25.	42	30	4	5
Total*	343	360	43	31

<i>l(1)G0295; Q_n=14,51%</i>				
1.	22	20	0	0
2.	40	24	4	2
3.	16	22	0	0
4.	12	10	0	0
5.	28	36	0	0
6.	24	22	3	3
7.	26	32	0	0
8.	31	26	2	3
9.	35	42	3	3
10.	36	38	0	0
11.	27	26	0	0
12.	24	16	4	3
13.	54	42	0	0
14.	58	44	0	0
15.	47	52	0	0
16.	50	60	6	3
17.	56	34	5	3
18.	67	76	0	0
19.	65	46	4	3
20.	59	46	0	0
21.	64	64	7	6
22.	59	62	0	0
23.	43	58	2	2
24.	45	42	0	0
25.	46	48	3	4
26.	55	36	6	5
27.	44	54	3	2
Total*	577	530	52	42
<i>l(1)G0166; Q_n=29.6%</i>				
1.	8	12	0	0
2.	17	10	0	0
3.	15	21	0	0
4.	21	16	5	2
5.	23	18	0	0
6.	20	14	0	0
7.	18	14	0	0
8.	19	20	3	3
9.	16	12	0	0
10.	22	26	0	0
11.	18	18	0	0
12.	17	24	0	0
13.	13	20	0	0
14.	21	16	8	4
15.	17	8	0	0
16.	18	12	4	2
17.	24	24	0	0
18.	19	22	0	0
19.	20	14	0	0

20.	12	10	1	2
21.	12	18	0	0
22.	11	28	0	0
23.	21	14	0	0
24.	17	22	0	0
25.	17	10	0	0
26.	17	6	0	0
27.	14	16	4	3
28.	10	22	0	0
29.	18	16	0	0
30.	11	6	0	0
Total*	105	90	25	16
<i>l(1)G0152; Q_n=28.25%</i>				
1.	10	10	4	3
2.	18	20	4	5
3.	23	22	0	0
4.	24	14	0	0
5.	22	12	0	0
6.	12	26	3	2
7.	7	20	0	0
8.	19	18	0	0
9.	21	8	0	0
10.	16	10	1	2
11.	25	24	0	0
12.	8	16	0	0
13.	13	18	0	0
14.	17	12	4	4
15.	17	22	2	3
16.	21	16	0	0
17.	14	28	0	0
18.	21	14	0	0
19.	16	20	3	5
20.	11	8	0	0
21.	22	6	0	0
22.	22	20	0	0
23.	15	26	0	0
24.	11	22	2	4
25.	26	20	0	0
26.	15	12	0	0
27.	6	0	0	0
28.	21	16	0	0
29.	13	24	0	0
30.	27	16	0	0
Total*	117	142	23	28
<i>l(1)EF520; Q_n=29.12%</i>				
1.	15	20	0	0
2.	17	16	0	0
3.	13	12	0	0

4.	22	16	0	0
5.	12	10	0	0
6.	20	20	0	0
7.	17	8	0	0
8.	25	16	3	4
9.	18	18	0	0
10.	22	26	0	0
11.	11	28	0	0
12.	11	14	0	0
13.	18	10	0	0
14.	12	20	0	0
15.	15	6	0	0
16.	18	14	5	3
17.	27	22	0	0
18.	20	20	0	0
19.	24	18	0	0
20.	15	26	0	0
21.	15	16	0	0
22.	16	22	0	0
23.	10	14	0	0
24.	11	8	0	0
25.	13	16	0	0
26.	28	12	0	0
27.	16	24	0	0
28.	24	20	0	0
29.	13	18	0	0
30.	22	24	0	0
Total*	43	30	8	7
<i>Control lines</i>				
<i>In(1)FM</i> Q_n=1.4%	1242	1186	6	11
<i>l(1)G0071</i> Q_n=1.5%	363	282	1	4

Note: Data obtained from parental females with attached-X chromosomes are marked in red. Rows with data obtained from parental females with normal chromosome segregation are marked with a gray background. * - The total number of progeny obtained from only those females who produced regular and exceptional offspring simultaneously.