SUPPLEMENTARY MATERIALS
to the article by L.P. Zakharenko, Y.Y. Ilinsky
"Different patterns of *P* transposon and *blood* retrotransposon distribution in Harwich and Canton-S sub-strains do not affect the manifestation of *Drosophila melanogaster* intraspecific PM hybrid dysgenesis"

Table S1. Cytotypes of Canton-S and Harwich sub-strains from different laboratories in dysgenic (♀Canton-S × ♂Harwich) and nondysgenic (♀Harwich × ♂Canton-S) crosses

Strain	% *♀Canton-S × ♂Harwich-3	*n***	% ♀Harwich-3 × ♂Canton-S	*n*	Cytotype
Canton-S-1	100	50	0	50	M
Canton-S-2	100	50	0	50	M
Canton-S-3	100	50	0	50	M
Canton-S-4	100	50	0	50	M
Canton-S-5	100	50	0	50	M
	% ♀Canton-S-2 × ♂Harwich		% ♀Harwich × ♂Canton-S-2		
Harwich-1	100	50	0	50	P
Harwich-2	100	50	0	50	P
Harwich-3	100	50	0	50	P

* % – percent of defective ovaries, ** *n* – number of flies.

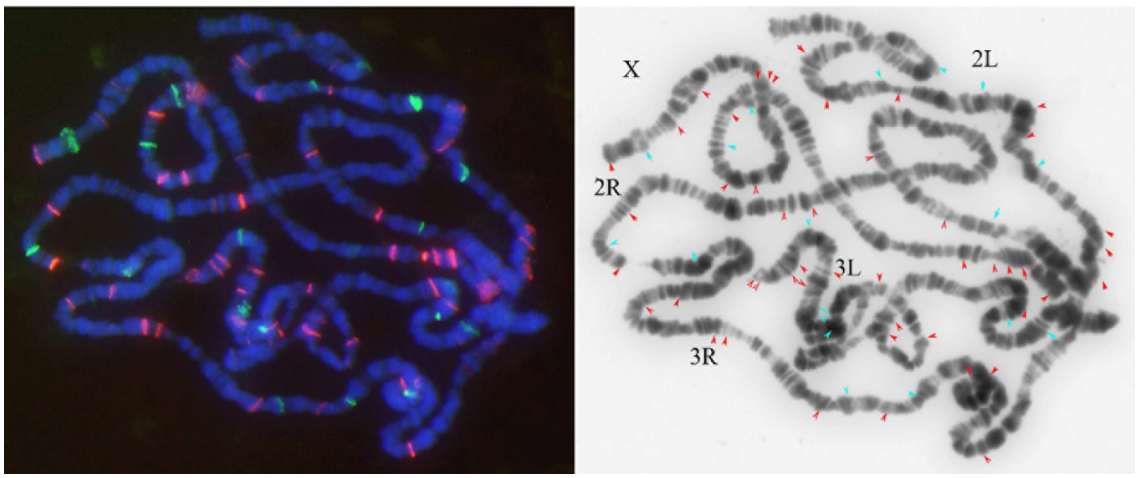

Fig. S1. Localization of *P*-element (red) and TE *blood* (green) hybridization sites on the salivary gland polytene chromosomes (H1 sub-strain). DAPI (blue).

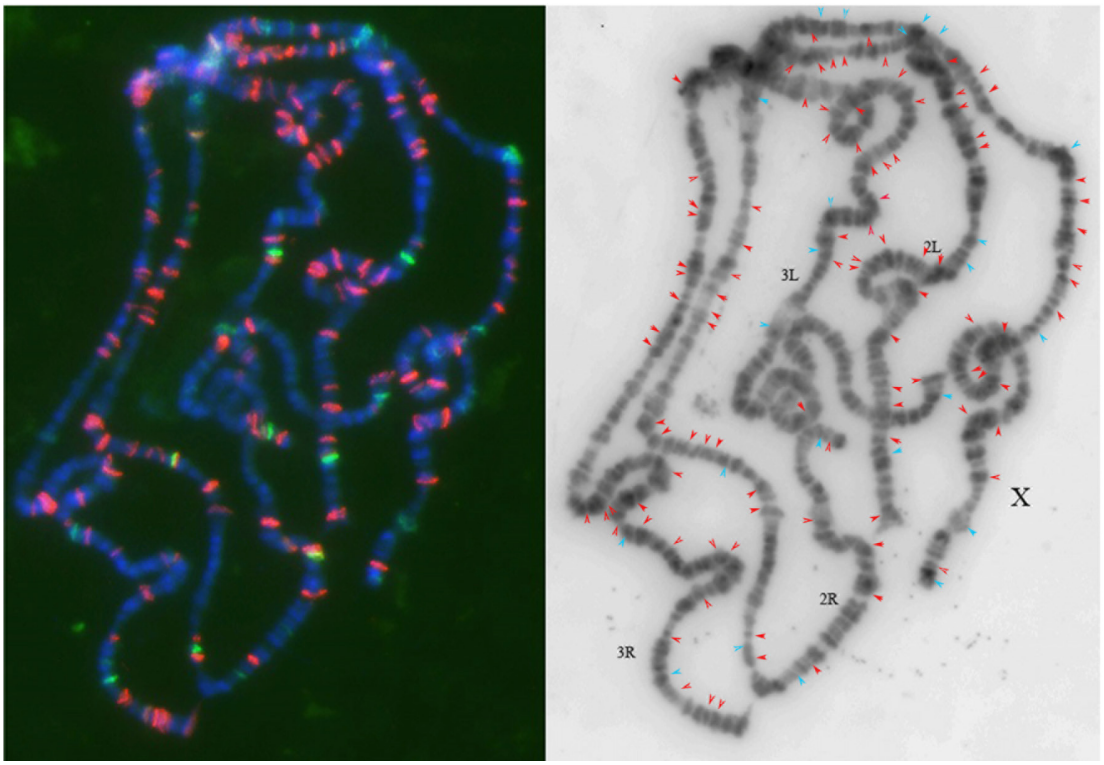

Fig. S2. Localization of *P*-element (red) and TE *blood* (green) hybridization sites on the salivary gland polytene chromosomes (H2 sub-strain).

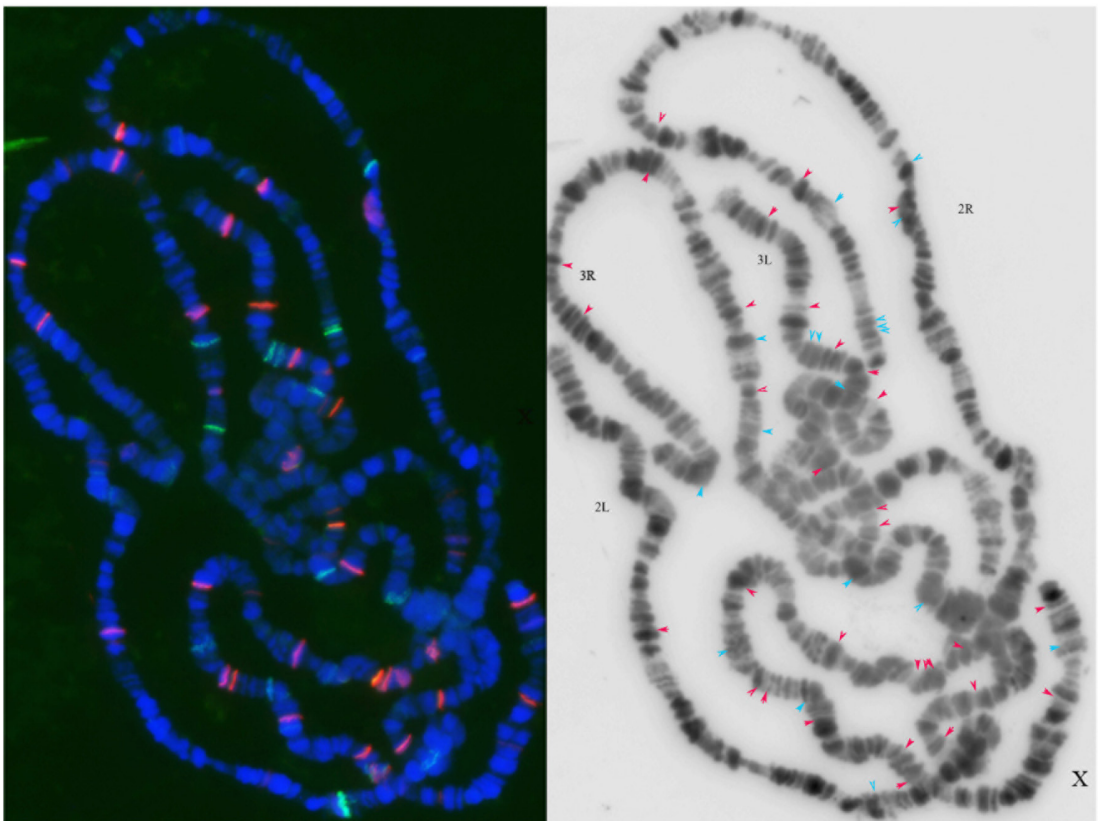

Fig. S3. Localization of *P*-element (red) and TE *blood* (green) hybridization sites on the salivary gland polytene chromosomes (H3 sub-strain).

Table S2. Pattern of *blood* on the polytene chromosomes of derivatives of Harwich strain (w – weak signal)

#	Chromosome region	H1	H2	H3
1	1A		+	+
2	2AB	+w	+	+w
3	5B		+	
4	7A			+
5	9A			+
6	10B	+	+	+
7	11C	+		+
8	13A		+	
9	22A		+	
10	25A	+		+
11	30C		+	
12	31A	+		
13	34A	+		+
14	36C	+	+	+
15	42F	+		
16	43C	+		
17	47B		+	+
18	48F		+	+
19	49F			+
20	52A		+	
21	54F	+		
22	57A		+	
23	60D	+	+	+
24	60F	+		
25	62C	+	+	
26	64C	+		+
27	64D	+		+
28	65F	+		+
29	79C	+		+
30	89B	+	+	+
31	90C	+	+	+
32	100B	+		+

Table S3. Pattern of *P*-element on the polytene chromosomes of Harwich strain derivatives (w – weak signal)

#	Chromosome region	H1	H2	H3	#	Chromosome region	H1	H2	H3
1	1A	+			44	46B		+	
2	1B	+w	+w	+	45	47D		+	
3	1CD			+w	46	48A		+	
4	2F		+		47	50B		+	
5	3A	+		+	48	54F	+	+	
6	3F	+	+	+	49	55F			+
7	4C		+	+w	50	56D		+	
8	5F		+		51	56E		+	
9	7C		+	+	52	58A			+
10	8A		+		53	58B		+	
11	8D	+			54	59F	+		
12	9B	+			55	60F	+		
13	9D		+		56	61A	+		
14	10C		+		57	61D		+	
15	10F	+		+	58	61E		+	
16	11A			+	59	61F	+		+
17	11D	+			60	62A	+		
18	11E	+			61	63D	+		+
19	12A		+		62	64D	+		+
20	12F			+	63	64F	+		
21	17C		+		64	66F	+		
22	18A	+		+	65	67B	+		+
23	18D	+	+	+	66	68D	+	+	
24	19B	+	+	+	67	68F		+	
25	19C	+	+		68	70D		+	
26	19C	+		+	69	71B	+		+
27	21B		+		70	75C	+		
28	23A		+		71	84C		+	
29	24F		+		72	84D		+	
30	25F		+		73	84F		+	
31	27B		+		74	85A		+	
32	28B	+		+	75	85B		+	
33	29B		+		76	85D	+	+	
34	34D		+		77	86F	+	+	
35	35F	+			78	87A	+	+	
36	37A		+	+	79	89B		+	
37	37F	+	+		80	90F		+	
38	38C	+	+		81	91A	+		+
39	39E	+		+	82	93E	+		+
40	43A		+		83	93F	+		
41	43C	+	+		84	94F		+	
42	44A		+		85	96F	+	+	+
43	45C	+	+						

Table S4. Pattern of TE *blood* on the polytene chromosomes of Canton-S derivatives

Chromosome region	CS1	CS2	CS3	CS4	CS5	Chromosome region	CS1	CS2	CS3	CS4	CS5
4F	+				+	65F–66A	+		+		
5C	+	+		+		67D	+				
10B			+			67F	+	+	+	+	+
14A	+			+		68A				+	
18A	+					69A		+			
21B	+		+			70E		+			
22A	+				+	71D		+			
22B	+					73F			+		
23C					+	75A			+		
25D		+				75F		+	+		
26A			+			78A				+	
28B			+			83F			+	+	
29A	+					84C				+	
32F	+			+		85D			+		
33F	+					85F			+		
35C			+			87C		+			
36C	+			+		88A			+		
43E	+	+				88C			+		
43F		+	+			92A				+	
47F		+	+			93F	+				
50B		+				94F	+				
50F				+		95F					+
51A				+	+	97C				+	+
52F	+					98B				+	+
57C	+				+	99F	+			+	
57D	+					100A		+			
61C	+				+	100C	+				
63A			+		+	100E	+	+			
64F	+					100F		+			
65C		+	+	+		Total	25	16	19	16	11