

**A) Ty1/Copia**

	<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. erecta</i>	<i>D. yakuba</i>
1731	Black	Black	Black	White	White
COPIA	Black	Black	Black	White	Gray
Copia-1_DY	Gray	Gray	Gray	White	Black
COPIA2	Black	Black	Black	White	Gray
Copia-2_Dya	Gray	Gray	Gray	White	Black
COPIA2bis	Black	Black	Black	White	White
FROGGER	Black	Gray	Gray	White	White
new_Xanthias	Black	Black	Black	White	Black
Xanthias	Black	Black	Black	White	Black

**Supplementary figure S2:** pattern of presence (black), absence (white) or traces (gray) of a given TE in the species of the *melanogaster* subgroup for A) Ty1/Copia, B) BEL/Pao, and C) Ty3/Gypsy superfamilies

**B) BEL/Pao**

	<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. erecta</i>	<i>D. yakuba</i>
BATUMI					
BEL					
BEL-2_Dse					
BEL-3_Dya					
BEL-4_Dya					
BEL-5_Dya					
BEL1_Dya					
BEL2_Dya					
DIVER					
DIVER2					
MAX					
Ninja					
ROO					

**C) Ty3/Gypsy  
group 1 "OSVALDO/ULYSSES"**

		<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. erecta</i>	<i>D. yakuba</i>
ISIS	Gypsy13_Dya					
ISIS	Gypsy6_Dya					
ISIS-like	Gypsy31_Dya					
ISIS-like	Gypsy5_Dya					
ISIS-like	Isislike_Dya					
OSIRIS	Gypsy-22_DY					
OSIRIS	Gypsy-23_DY					
OSIRIS	Gypsy-32_Dya					
OSIRIS	Gypsy10_Dya					
OSIRIS	GYPY12					
OSIRIS	Gypsy18_Dya					
OSVALDO	Gypsy-21_DY					
OSVALDO	Gypsy-26_Dya					
OSVALDO	Gypsy4_Dya					
ULYSSES	Gypsy-30_Dya					

**group 2 "MICROPIA/SACCO"**

		<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. erecta</i>	<i>D. yakuba</i>
BICA	Bica					
BICA	Gypsy-29_Dya					
BLASTOPIA	BLASTOPIA					
BLASTOPIA	Gypsy1_Dya					
BLASTOPIA	Gypsy12_Dya					
BLASTOPIA	Gypsy14_Dya					
BLASTOPIA	Gypsy2_Dya					
BLASTOPIA	Gypsy-6_Dse					
MICROPIA	Gypsy-2_Dsim					
MICROPIA	Gypsy-22_Dya					
MICROPIA	Gypsy-23_Dya					
MICROPIA	Gypsy-4_Dse					
MICROPIA	Gypsy9_Dya					
MICROPIA	INVADER1					
MICROPIA	INVADER6					
MICROPIA	MICROPIA					
MDG3	Gypsy-21_Dya					
MDG3	Gypsy-25_Dya					
MDG3	Gypsy-27_Dya					
MDG3	Gypsy15_Dya					
MDG3	Gypsy19_Dya					
MDG3	INVADER2					
MDG3	INVADER3					
MDG3	MDG3					
SACCO	Gypsy7_Dya					
SACCO	Gypsy17_Dya					
SACCO	Sacco					
SACCO	Saccobis					

**Group 3 errantiviridae/412**

		<i>D. melanogaster</i>	<i>D. simulans</i>	<i>D. sechellia</i>	<i>D. erecta</i>	<i>D. yakuba</i>
17.6	17.6					
17.6	ACCORD					
17.6	ACCORD2					
17.6	DM297					
17.6	Gypsy-28_Dya					
17.6	Gypsy-31_Dya					
17.6	Gypsy-4_Dsim					
17.6	Gypsy-5_Dse					
17.6	GYPY5					
17.6	Gypsy8_Dya					
17.6	Pifo					
17.6	QUASIMODO					
17.6	QUASIMODO2					
17.6	ROVER					
17.6	TirantC					

17.6	TRANSPAC			
17.6	ZAM			
?	Gypsy3_Dya			
412/MDG1	blood			
412/MDG1	Gypsy-8_Dsim			
412/MDG1	MDG1			
412/MDG1	STALKER2			
412/MDG1	STALKER4			
412/MDG1	TABOR			
CHIMPO	Chimpo			
GYPSY	BURDOCK			
GYPSY	Chouto			
GYPSY	GTWIN			
GYPSY	GYPSY			
GYPSY	gypsy-1_Dse			
GYPSY	Gypsy-1_Dsim			
GYPSY	Gypsy-10_Dsim			
GYPSY	Gypsy-11_Dsim			
GYPSY	Gypsy11_Dya			
GYPSY	GYPSY2			
GYPSY	GYPSY3			
GYPSY	Gypsy-1A_DSe			
GYPSY	GYPSY4			
GYPSY	GYPSY6			
GYPSY	HMSBEAGLE			
GYPSY	nomad			