

Table 3.1. *LacZ* Specific Activities Obtained by Screening X-Chromosome Deficiencies with *ovo* 3U21 strain (Page 1 of 2)

BL No.*	Df Stock*	Cytological Position*	Controls			Experimentals				Statistical Analysis			t	
			MAS*	SEM*	N* E/C (%)*	MAS	SEM	N (*)	df	P(F)	F	P(t)		
	y w	(Positive Internal Control)	0.052	0.006	6 (60)									
1329	Df(1) BA1	1A1-2A1-4	0.025	0.003	11 (110)	80	0.020	0.001	10 (100)	11	0.294	0.965	0.013	0.990
1546	Df(1) sc ¹⁴	1B2-4; 3A3	0.020	0.001	8 (80)	115	0.023	0.001	8 (80)	14	0.858	0.583	0.399	0.696
936	Df(1) 64c18	2E1-2; 3C2	0.036	0.003	13(130)	106	0.038	0.003	10 (100)	13	0.564	0.827	0.605	0.552
935	Df(1)JC19	2F6; 3C5	0.033	0.005	9 (90)	139	0.046	0.009	10 (100)	14	0.067	1.000	0.413	0.830
939	Df(1)dm75e19	3C12; 3E4	0.020	0.009	9 (90)	95	0.019	0.007	10 (100)	15	0.669	0.709	0.234	0.818
729	Df(1)N8	3C2-3; 3E3-4	0.045	0.007	17 (170)	60	0.027	0.004	10 (100)	23	0.017	1.000	0.065	0.949
940	Df(1)A113	3D6-E1; 4F5,	0.022	0.002	8 (80)	182	0.040	0.004	10 (100)	15	0.008	1.000	0.003	0.998
944	Df(1)JC70	4C15-16; 5C3-4	0.024	0.003	11 (110)	129	0.031	0.001	12 (120)	11	0.010	1.000	0.009	0.993
945	Df(1) C149	5A8-9; 5C5-6	0.032	0.009	12 (120)	75	0.024	0.009	8 (80)	16	0.165	0.996	0.370	0.716
946	Df(1)N73	5C2; 5D5-68	0.021	0.001	17 (170)	67	0.014	0.001	21 (21)	36	0.000	1.000	0.000	1.000
1665	Df(1)5D	5D1, 5E	0.033	0.006	10 (100)	88	0.029	0.006	11 (110)	19	0.235	0.973	0.563	0.580
579	Df(1)JF5	5E3-5; 5E8	0.034	0.004	10 (100)	85	0.029	0.005	11(110)	17	0.879	0.572	0.428	0.673
3196	Df(1)Sx1bt	6E2; 7A6	0.037	0.005	21(210)	97	0.036	0.004	23 (230)	40	0.805	0.685	0.788	0.435
3221	Df(1)ct ^{4b1}	7B2-4; 7C3-4	0.109	0.006	12 (120)	106	0.116	0.011	13 (130)	22	0.065	1.000	0.585	0.564
948	Df(1) ct-J4	7A2-3; 7C1	0.022	0.002	13 (130)	114	0.025	0.003	10 (100)	21	0.750	0.685	0.483	0.634
949	Df(1)C128	7D1; 7D5-6	0.030	0.002	18 (180)	130	0.039	0.009	18 (180)	20	0.000	1.000	0.349	0.729
950	Df(1)RA2	7D10; 8A4-5	0.019	0.001	13 (130)	137	0.026	0.001	12 (120)	23	0.978	0.518	0.000	1.000
951	Df(1)KA14	7F1-2; 8C6	0.022	0.002	10 (100)	123	0.027	0.002	10 (100)	18	0.626	0.752	0.165	0.871
3651	Df(1)Lz90B24	8B4-8; 8D-E	0.079	0.005	11 (110)	51	0.040	0.002	11 (110)	18	0.011	1.000	0.000	1.000
952	Df(1)C52	8E; 9C-D	0.059	0.012	10 (100)	68	0.040	0.009	10 (100)	17	0.369	0.923	0.756	0.459
954	Df(1)vL15	9B1-2; 10A1-2	0.025	0.001	12 (120)	116	0.029	0.002	10 (100)	18	0.086	1.000	0.029	0.977

Table 3.1. *LacZ* Specific Activities Obtained by Screening X-Chromosome Deficiencies with *ovo* 3U21 strain (Page 2 of 2)

BL No. Df Stock	Cytological Position	Controls				Experimentals				Statistical Analysis			
		MAS	SEM	N (*)	E/C (%)	MAS	SEM	N (*)	df	P(F)	F	P(t)	t
953 Df(1)N110	9B3-4; 9D1-2	0.024	0.001	16 (160)	163	0.039	0.002	18 (180)	32	0.009	1.000	0.000	1.000
955 Df(1)HC133	9B9-10; 9E-F	0.018	0.002	18 (180)	128	0.023	0.002	13 (130)	28	0.361	0.973	0.050	0.961
1952 Df(1)v-L11	9C4; 10A1-2	0.026	0.002	10 (100)	154	0.040	0.002	12 (120)	22	0.706	0.734	0.000	1.000
957 D (1) KA7	10A9; 10F6-7	0.028	0.002	8 (80)	121	0.034	0.002	9 (90)	15	0.752	0.638	0.035	0.972
958 Df (1) N71	10B5; 10D4	0.028	0.004	8 (80)	107	0.030	0.002	10 (100)	16	0.102	0.996	0.745	0.535
959 Df(1)HA85	10C1-2; 11A1-2	0.025	0.001	9 (90)	112	0.028	0.002	14 (140)	21	0.111	0.998	0.512	0.582
962 Df(1)N105	10F7; 11D1	0.050	0.004	15 (150)	108	0.054	0.005	15 (150)	10	0.201	0.998	0.238	0.388
964 Df(1)JA26	11A1; 11D-E	0.024	0.001	9 (90)	104	0.025	0.001	9 (90)	16	0.847	0.598	0.724	0.235
965 Df(1)HF368	11A2; 11B9	0.015	0.002	11 (110)	93	0.014	0.002	11 (110)	16	0.262	0.977	0.584	0.566
966 Df(1)N12	11D1-2; 11F1-2	0.015	0.002	10 (100)	240	0.036	0.008	7 (70)	16	0.013	1.000	0.004	0.996
967 Df(1)C246	11D-E; 12A1-2	0.018	0.003	7 (70)	194	0.035	0.005	7 (70)	12	0.326	0.901	0.000	0.994
727 Df(1)g	12B-12E8	0.020	0.004	7 (70)	190	0.038	0.005	7 (70)	7	0.673	0.679	0.010	0.992
998 Df(1)RK2	12D2-E1; 13A2-5	0.147	0.017	7 (70)	157	0.231	0.028	8 (80)	11	0.188	0.980	0.025	0.980
1039 Df(1)RK4	12F5-6; 13A9-B1	0.039	0.004	8 (80)	79	0.031	0.006	8 (80)	14	0.081	0.998	0.105	0.918
3347 Df (1) <i>sd</i> ^{7b}	13F1; 14B1	0.025	0.001	17 (170)	132	0.033	0.002	16 (160)	14	0.100	1.000	0.006	0.996
125 Df (1)4b18	14B8; 14C1	0.028	0.001	20 (200)	89	0.025	0.001	20 (200)	38	0.319	0.992	0.017	0.987
993 Df (1) rD1	14B-C; 15A-B2	0.037	0.003	9 (90)	103	0.038	0.004	9 (90)	16	0.231	0.973	0.054	0.958
723 Df(1)h	15F9-16A1; 16A6-7	0.063	0.006	13 (130)	68	0.043	0.006	10 (100)	18	0.743	0.697	0.021	0.984
970 Df (1) N19	17A1; 18A2	0.022	0.002	15 (150)	109	0.024	0.002	12 (120)	21	0.430	0.930	0.417	0.680
971 Df(1)JA27	18A5; 18D	0.050	0.007	10 (100)	76	0.038	0.003	10 (100)	13	0.154	0.993	0.065	0.474
972 Df(1)HF396	18E1-2; 20	0.037	0.001	10 (100)	65	0.024	0.003	10 (100)	17	0.004	1.000	0.148	0.884
977 Df(1)DCB1	19F1-2; 20E-F	0.047	0.006	8 (80)	91	0.043	0.005	8 (80)	14	0.796	0.614	0.266	0.397
3714 Df (1) A-209	20A3-5; h26-h32	0.074	0.032	11 (110)	186	0.138	0.019	14 (140)	23	0.163	0.997	0.578	0.569

(*) Legend for Tables 3.1., 3.2., 3.3., 3.4., 3.5., and 3.6.

BL No, strain number in Bloomington stock center; MAS, mean of specific activity (nanomoles of substrate/ ng/hr); SEM, standard error of the mean; N, sample number and (in *ensis*) number of flies dissected; E/C, ratio between experimental MAS and that of controls in percentage, df, degree of freedom; P (F), probability of F-test; F, F-test calculation; P (t), probability of Student's t-test; t, t-test calculation, described the breakpoints as Flybase, <http://www.bio.indiana.edu> (1998).