

FBgn ID	CG number	Subunit	U2B/SNF	SF3B5	Ada2b-PB	Spt3	Spt20	ATXN7	Ada1	SAF6	Sgf29	WDA	S2 neg	CG6469
FBgn0050390	CG30390	Sgf29	0.00000	0.00082	0.02153	0.00438	0.01041	0.00300	0.00248	0.01297	0.14989	0.00178	0.00000	0.00000
FBgn0030891	CG7098	Ada3	0.00000	0.00055	0.02864	0.00181	0.00563	0.00223	0.00114	0.00657	0.01179	0.00116	0.00000	0.00000
FBgn0020388	CG4107	Gcn5	0.00000	0.00090	0.02387	0.00341	0.00965	0.00290	0.00197	0.00551	0.00483	0.00154	0.00000	0.00000
FBgn0037555	CG9638	Ada2b-PB	0.00000	0.00115	0.04834	0.00280	0.00972	0.00217	0.00133	0.01127	0.00550	0.00152	0.00000	0.00000
FBgn0051866	CG31866	Ada1	0.00000	0.00062	0.02206	0.00333	0.00735	0.00176	0.07721	0.01165	0.00352	0.01053	0.00000	0.00000
FBgn0031281	CG3883	SAF6	0.00000	0.00149	0.01162	0.00293	0.00662	0.00317	0.00180	0.01116	0.00202	0.01190	0.00000	0.00000
FBgn0036374	CG17689	Spt20	0.00000	0.00032	0.00521	0.00351	0.02356	0.00211	0.00047	0.00570	0.00143	0.00038	0.00000	0.00000
FBgn0037981	CG3169	Spt3	0.00000	0.00105	0.00907	0.03084	0.01204	0.00283	0.00171	0.00968	0.00235	0.00706	0.00000	0.00000
FBgn0030874	CG6506	Spt7	0.00000	0.00211	0.02433	0.01000	0.01607	0.00766	0.00559	0.02362	0.00590	0.01333	0.00000	0.00000
FBgn0026324	CG3069	TAF10b	0.00000	0.00065	0.02072	0.00187	0.00106	0.00442	0.00084	0.00348	0.00071	0.00966	0.00000	0.00000
FBgn0011290	CG17358	TAF12	0.00000	0.00015	0.00892	0.00192	0.00485	0.00233	0.00077	0.00218	0.00290	0.00479	0.00000	0.00000
FBgn0000617	CG6474	TAF9	0.00004	0.00153	0.01622	0.00443	0.00826	0.00287	0.00155	0.01611	0.00214	0.01450	0.00000	0.00000
FBgn0053554	CG33554	Tra1 (Nipped-A)	0.00000	0.00073	0.00139	0.00155	0.01116	0.00286	0.00061	0.00569	0.00227	0.00051	0.00000	0.00005
FBgn0039067	CG4448	WDA	0.00000	0.00137	0.01583	0.00552	0.01557	0.00329	0.00190	0.01398	0.00334	0.07218	0.00000	0.00000
FBgn0031420	CG9866	ATXN7	0.00000	0.00012	0.00229	0.00081	0.00345	0.02491	0.00038	0.00154	0.00152	0.00033	0.00000	0.00000
FBgn0000618	CG15191	E(y)2	0.00000	0.00305	0.00452	0.00423	0.00798	0.00622	0.00000	0.01793	0.00281	0.00120	0.00000	0.00000
FBgn0013717	CG4166	Nonstop	0.00000	0.00024	0.00016	0.00156	0.00653	0.00365	0.00032	0.00203	0.00095	0.00019	0.00000	0.00000
FBgn0036804	CG13379	Sgf11	0.00000	0.00048	0.00116	0.00637	0.02200	0.00918	0.00094	0.00308	0.00105	0.00062	0.00000	0.00000
FBgn0040534	CG11985	SF3B5 (SF3b10)	0.00651	0.02480	0.02552	0.00663	0.01168	0.00719	0.00289	0.02205	0.00729	0.02157	0.00000	0.00000
FBgn0035162	CG13900	SF3B3 (SF3b130)	0.00617	0.05785	0.03945	0.00890	0.01807	0.00524	0.00290	0.01690	0.00486	0.02513	0.00000	0.00010
FBgn0031493	CG3605	SF3B2 (SF3b145)	0.00235	0.00389	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	0.00017	0.00005	0.00000	0.00000
FBgn0015818	CG3780	SF3B4 (SF3b149/Spx)	0.01224	0.02799	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	0.00000
FBgn0035692	CG13298	SF3B6 (SF3b14a)	0.00915	0.03935	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00043	0.00000	0.00000	0.00000
FBgn0031822	CG9548	PHF5A (SF3b14b)	0.00087	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00018	0.00000	0.00000
FBgn0031266	CG2807	SF3B1 (SF3b155)	0.00500	0.02121	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000	0.00000
FBgn0266917	CG16941	SF3A1 (SF3a120)	0.00481	0.01027	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	0.00000
FBgn0014366	CG2925	SF3A3 (SF3a60/noi)	0.00806	0.01323	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00062	0.00000	0.00000	0.00000
FBgn0036314	CG10754	SF3A2 (SF3a66)	0.00547	0.01992	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	0.00000
FBgn0262601	CG5352	SmB	0.02141	0.00440	0.00000	0.00017	0.00016	0.00000	0.00000	0.00000	0.00026	0.00000	0.00125	0.00090
FBgn0261933	CG10753	SmD1 (snRNP69D)	0.05591	0.01070	0.00184	0.00069	0.00050	0.00055	0.00033	0.00000	0.00208	0.00000	0.00201	0.00000
FBgn0261789	CG1249	SmD2	0.03267	0.00776	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00087	0.00008	0.00105	0.00000
FBgn0023167	CG8427	SmD3	0.06161	0.00110	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00017	0.00000	0.00165	0.00000
FBgn0261790	CG18591	SmE	0.06709	0.01285	0.00000	0.00018	0.00000	0.00000	0.00000	0.00034	0.00137	0.00000	0.00265	0.00254
FBgn0000426	CG16792	SmF (DebB)	0.00615	0.00350	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029	0.00000	0.00000	0.00000
FBgn0261791	CG9742	SmG	0.03104	0.00280	0.00300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00170	0.00000	0.00000	0.00000
FBgn0033210	CG1406	U2A	0.01453	0.01019	0.00000	0.00032	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	0.00000
FBgn0003449	CG4528	U1A/U2B (snf)	0.14041	0.00954	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00120	0.00000	0.00000	0.00000

Table S1: Distributed normalized spectral abundance factor (dNSAF) values for MudPIT analysis

Relative spectral abundance of SAGA and spliceosomal subunits (rows) expressed as dNSAF (distributive normalized spectral abundance factor) in tandem FLAG-HA purifications from S2 cells using U2B, SF3B5, Ada2B-PB, Spt3, Spt20, ATXN7, Ada1, SAF6, Sgf29 and WDA as bait proteins (columns), relative to control purifications from untagged S2 cells (S2 neg) or S2 cells expressing non-specific tagged protein CG6459.

Table S2. Genotypes used in this study

Name	Source	Genotype
<i>UAS-SF3B5</i>	this study	<i>w</i> ; $P\{w^{+mC}=UAS-SF3B5\}attP40$
<i>sf3b5</i> ^{EY12579}	BL21381 ^a	$y^1 w^{67c23};; P\{w^{+mC} y^{+mDint2}=EPgy2\}CG11985^{EY12579}/TM3, Sb^1 Ser^1$
<i>UAS-SF3B5</i> ; <i>sf3b5</i>	this study	<i>w</i> ; $P\{w^{+mC}=UAS-SF3B5\}attP40$; $P\{w^{+mC} y^{+mDint2}=EPgy2\}CG11985^{EY12579}/MKRS$
<i>Act-GAL4/CyO</i> ; <i>sf3b5</i>	this study	<i>w</i> ; $P\{w^{+mC}=Act5C-GAL4\}25FO1$, $P\{w^{+mC}=UAS-GFP.nls\}14/CyO$; $P\{w^{+mC} y^{+mDint2}=EPgy2\}CG11985^{EY12579}/MKRS$
<i>ey-Gal4</i> , <i>UAS-FLP</i> ; <i>FRT82B</i> , <i>GMR-Hid</i>	BL5253	$y^1 w$; $P\{w^{+mC}=GAL4-ey.H\}3-8$, $P\{w^{+mC}=UAS-FLP1.D\}JD1$; $P\{ry^{+t7.2}=neoFRT\}82B$, $P\{w^{+mC}=GMR-hid\}SS4$, $I(3)CL-R^1/TM2$
<i>FRT82B</i> , <i>Ubi-GFP</i>	BL32655	$w^{1118};; P\{ry^{+t7.2}=neoFRT\}82B$ $P\{w^{+mC}=Ubi-GFP(S65T)nls\}3R/TM6B, Tb^1$
<i>FRT82B</i> , <i>ada2B</i>	Dr. Mattias Mannervik (Qi et al. 2004)	<i>ada2B</i> ¹ , $P\{ry^{+t7.2}=neoFRT\}82B/TM3 Sb^1 Ser^1$
<i>sf3b5</i>	this study	$w^{1118};; P\{ry^{+t7.2}=neoFRT\}82B$, $P\{w^{+mC} y^{+mDint2}=EPgy2\}CG11985^{EY12579}/TM6b Tb^1$
<i>nonstop</i>	BL11553 (Weake et al. 2008)	$P\{ry^{+t7.2}=PZ\}not^{02069} ry^{506}/TM3$, $P\{w^{+mC}=GAL4-twi.G\}2.3$, $P\{UAS-2xEGFP\}AH2.3, Sb^1 Ser^1$
<i>sf3b5</i>		$y^1 w^{67c23};; P\{w^{+mC} y^{+mDint2}=EPgy2\}CG11985^{EY12579}/TM3$, $P\{w^{+mC}=GAL4-twi.G\}2.3$, $P\{UAS-2xEGFP\}AH2.3, Sb^1 Ser^1$
<i>wda</i>	Dr. Susan Abmayr (Guelman et al. 2006)	<i>wda</i> ¹¹ / <i>TM3</i> , $P\{w^{+mC}=GAL4-twi.G\}2.3$, $P\{UAS-2xEGFP\}AH2.3, Sb^1 Ser^1$

^a Bloomington *Drosophila* Stock Center at Indiana University.

		Transcript Normalized to Rpl32 (Fig. 5b)								
		SF3B5	WDA	Sas10	Oda	Sap47	Exba	Crc	CG5390	Gp150
ANOVA (p-values)		0.000005	0.000003	0.005600	0.064000	0.000011	0.000037	0.098100	0.025700	0.011500
Tukey HSD p-values	WT v <i>sf3b5</i>	0.001005	0.032619	0.024560	0.501303	0.001005	0.001005	0.098798	0.899995	0.260234
	WT v <i>wda</i>	0.170948	0.001005	0.005750	0.053814	0.001005	0.001005	0.217658	0.033333	0.009150
	<i>sf3b5</i> v <i>wda</i>	0.001005	0.001005	0.612784	0.304091	0.004069	0.157706	0.849764	0.053178	0.123617

Unspliced/Spliced Transcript Normalized to Rpl32 (Fig. 5c)				
	Oda	Sap47	exba	Crc
t-test (p-values)	0.939839	0.006769	0.496777	0.892386

Transcript Normalized to Rpl32 : WT v <i>sf3b5</i> (Fig 5d)					
	SF3B5	nonstop	e(y)2	Atxn7	sgf11
t-test (p-values)	0.000760	0.241680	0.102470	0.727390	0.094710

Table S3: Probability of difference between wild-type and mutant transcript levels. Shown are the p -values from either ANOVA with a Tukey HSD test or Student's t-test for data shown in Fig. 5b, 5c and 5d respectively. These p -values were analyzed using transcript levels based on a standard curve per primer set after being normalized to Rpl32. For each test, transcript levels/Rpl32 of 4 biological replicates per genotype (OregonR, *sf3b5* and *wda*) were used for each gene (columns). For the top panel, ANOVA was used to analyze all three data sets (top row), and post hoc test (Tukey HSD) was done for each pairwise combination between genotypes (bottom three rows) where OregonR is wild type (WT) for each gene (columns). For Fig 5c and 5d, student's t-test was performed comparing wild type and *sf3b5* mutants for each gene shown (columns). For all panels, numbers highlighted in red have p -values <0.05 suggesting a significant difference between the data sets for those genes.