Gβ₁					oifference Num				
,		CTX pre (1.02E-4)	CRB Pre (8.03E-05)	Hippo pre (5.50E-05)	ence Numerato Str pre (4.48E-05)	CTX post (9.58E-05)	<b>CRB post</b> (6.86E-05)	Hippo post (7.74E-05)	Str post (1.18E-4)
	<b>CTX pre</b> (1.02E-4)		0.79	0.54	0.44	0.94			
<b>or</b> <i>n</i> Value	<b>CRB pre</b> (8.03E-05)	1.26		0.68	0.56		0.85		
Fold Difference Denominator (Fold Difference Denominator Raw Value)	<b>Hippo pre</b> (5.50E-05)	1.85	1.46		0.81			1.41	
<b>nce Den</b> enomin	<b>Str pre</b> (4.48E-05)	2.27	1.79	1.23					2.63
<b>I Differe</b> erence D	<b>CTX post</b> (9.58E-05)	1.06					0.72	0.81	1.23
Folc	<b>CRB post</b> (6.86E-05)		1.17			1.40		1.13	1.72
(Fc	Hippo post (7.74E-05)			0.71		1.24	0.89		1.52
	Str post (1.18E-4)				0.38	0.81	0.58	0.66	

Supplementary Table 1. Fold differences comparing expression of G protein  $\beta_1$  in pre or postsynaptic fractions between brain regions and pre and postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\beta_1$  in postsynaptic fractions to  $G\beta_1$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\beta_1$  peptides within the postsynaptic fraction by the total normalized area for  $G\beta_1$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\beta_1$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\beta_1$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\beta_1$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gβ₂					<b>ifference Num</b> nce Numerato				
		<b>CTX pre</b> (6.67E-5)	<b>CRB Pre</b> (4.81E-5)	Hippo pre (3.73E-5)	<b>Str pre</b> (3.65E-5)	CTX post (6.03E-5)	<b>CRB post</b> (4.93E-5)	<b>Hippo post</b> (6.46E-5)	Str post (1.38E-4)
	<b>CTX pre</b> (6.67E-5)		0.72	0.56	0.55	0.90			
<b>tor</b> ıw Value	<b>CRB pre</b> (4.81E-5)	1.39		0.78	0.76		1.03		
<b>nomina</b> nator Ra	Hippo pre (3.73E-5)	1.79	1.29		0.98			1.73	
ence De Jenomir	<b>Str pre</b> (3.65E-5)	1.83	1.32	1.02					3.78
Fold Difference Denominator Difference Denominator Raw Value)	CTX post (6.03E-5)	1.11					0.82	1.07	2.28
<b>Fol</b> (Fold Diff	<b>CRB post</b> (4.93E-5)		0.98			1.22		1.31	2.80
<u> </u>	Hippo post (6.46E-5)			0.58		0.93	0.76		2.13
	<b>Str post</b> (1.38E-4)				0.26	0.44	0.36	0.47	

Supplementary Table 2. Fold differences comparing expression of G protein  $\beta_2$  in pre or postsynaptic fractions between brain regions and pre and postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\beta_2$  in postsynaptic fractions to  $G\beta_2$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\beta_2$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\beta_2$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\beta_2$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\beta_2$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gβ <sub>4</sub>					ifference Num nce Numerato				
		<b>CTX pre</b> (3.12E-6)	<b>CRB pre</b> (3.61E-6)	Hippo pre (1.13E-6)	<b>Str pre</b> (1.29E-6)	CTX post (3.35E-6)	<b>CRB post</b> (4.84E-6)	<b>Hippo post</b> (2.51E-6)	<b>Str post</b> (5.23E-6)
	<b>CTX pre</b> (3.12E-6)		1.16	0.36	0.41	1.08			
. <b>or</b> w Value	<b>CRB pre</b> (3.61E-6)	0.86		0.31	0.36		1.34		
<b>iominat</b> ator Ra	Hippo pre (1.13E-6)	2.75	3.19		1.14			2.22	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (1.29E-6)	2.42	2.80	0.88					4.06
Fold Difference Denominator Difference Denominator Raw \	CTX post (3.35E-6)	0.93					1.44	0.75	1.56
<b>Fold</b> (Fold Diffe	<b>CRB post</b> (4.84E-6)		0.75			0.69		0.52	1.08
(Fe	Hippo post (2.51E-6)			0.45		1.34	1.93		2.08
	<b>Str post</b> (5.23E-6)				0.25	0.64	0.92	0.48	

Supplementary Table 3. Fold differences comparing expression of G protein  $\beta_4$  in pre or postsynaptic fractions between brain regions and pre and postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\beta_4$  in postsynaptic fractions to  $G\beta_4$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\beta_4$  peptides within the postsynaptic fraction by the total normalized area for  $G\beta_5$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\beta_4$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\beta_4$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\beta_4$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gβ₅					<b>ifference Num</b> nce Numerato				
		CTX pre (N.D.)	CRB pre (N.D.)	Hippo pre (N.D.)	Str pre (2.48E-6)	CTX post (N.D.)	CRB post (N.D.)	Hippo post (N.D.)	Str post (1.01E-5)
	CTX pre (N.D.)								
or v Value)	CRB pre (N.D.)								
ominato ator Raw	Hippo pre (N.D.)								
enomina	<b>Str pre</b> (2.48E-6)								4.07
Fold Difference Denominator (Fold Difference Denominator Raw Value)	CTX post (N.D.)								
Fold old Diffe	CRB post (N.D.)								
(Fo	Hippo post (N.D.)								
	<b>Str post</b> (1.01E-5)				0.25				

Supplementary Table 4. Fold differences comparing expression of G protein  $\beta_5$  in pre and postsynaptic fractions within the striatum. Fold differences comparing expression of  $G\beta_5$  in the striatum within postsynaptic fractions to  $G\beta_5$  expression within presynaptic fractions were calculated by dividing the total normalized area for  $G\beta_5$  peptides within the postsynaptic fraction by the total normalized area for  $G\beta_5$  peptides within the presynaptic fraction. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction; N.D.: not detected.

Gγ <sub>2</sub>					ifference Num				
		<b>CTX pre</b> (1.66E-6)	<b>CRB pre</b> (5.74E-7)	<b>Hippo pre</b> (1.74E-6)	<b>Str pre</b> (5.25E-7)	CTX post (1.74E-6)	<b>CRB post</b> (9.03E-7)	Hippo post (3.26E-6)	Str post (2.10E-6)
	<b>CTX pre</b> (1.66E-6)		0.34	1.05	0.32	1.05			
. <b>or</b> w Value	<b>CRB pre</b> (5.74E-7)	2.90		3.04	0.92		1.57		
<b>iominat</b> ator Ra	Hippo pre (1.74E-6)	0.96	0.33		0.30			1.87	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (5.25E-7)	3.17	1.09	3.32					3.99
Fold Difference Denominator Difference Denominator Raw \	CTX post (1.74E-6)	0.96					0.52	1.87	1.20
<b>Folc</b> (Fold Diffe	<b>CRB post</b> (9.03E-7)		0.64			1.93		3.61	2.32
(Fe	Hippo post (3.26E-6)			0.53		0.53	0.28		0.64
	Str post (2.10E-6)				0.25	0.83	0.43	1.56	

Supplementary Table 5. Fold differences comparing expression of G protein  $\gamma_2$  in pre *or* postsynaptic fractions between brain regions and pre *and* postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_2$  in postsynaptic fractions to  $G\gamma_2$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_2$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_2$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_2$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_2$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gγ <sub>3</sub>					<b>ifference Num</b> nce Numerato				
		<b>CTX pre</b> (7.84E-6)	<b>CRB pre</b> 7.84E-6)	Hippo pre (2.51E-6)	<b>Str pre</b> (8.06E-7)	CTX post (1.45E-5)	<b>CRB post</b> (5.25E-6)	<b>Hippo post</b> (7.62E-6)	<b>Str post</b> (1.04E-5)
	<b>CTX pre</b> (7.84E-6)		0.40	0.32	0.10	1.85			
. <b>or</b> w Value	<b>CRB pre</b> <b>(</b> 7.84E-6)	2.47		0.79	0.25		1.66		
<b>iominat</b> ator Ra	Hippo pre (2.51E-6)	3.13	1.26		0.32			3.04	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (8.06E-7)	9.73	3.93	3.11					12.90
Fold Difference Denominator Difference Denominator Raw \	CTX post (1.45E-5)	0.54					0.36	0.52	0.72
<b>Fold</b> (Fold Diffe	<b>CRB post</b> (5.25E-6)		0.60			2.76		1.45	1.98
(Fe	Hippo post (7.62E-6)			0.33		1.91	0.69		1.36
	<b>Str post</b> (1.04E-5)				0.08	1.40	0.51	0.73	

Supplementary Table 6. Fold differences comparing expression of G protein  $\gamma_3$  in pre *or* postsynaptic fractions between brain regions and pre *and* postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_3$  in postsynaptic fractions to  $G\gamma_3$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_3$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_3$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_3$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_3$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gγ <sub>4</sub>					ifference Num				
		<b>CTX pre</b> (5.09E-7)	<b>CRB pre</b> (1.49E-7)	Hippo pre (3.51E-7)	<b>Str pre</b> (2.22E-7)	CTX post (5.42E-7)	CRB post (2.15E-7)	<b>Hippo post</b> (8.61E-7)	<b>Str post</b> (8.26E-7)
	<b>CTX pre</b> (5.09E-7)		0.29	0.69	0.44	1.06			
<b>or</b> <i>w</i> Value	<b>CRB pre</b> (1.49E-7)	3.42		2.36	1.49		1.45		
ominat ator Rav	Hippo pre (3.51E-7)	1.45	0.42		0.63			2.45	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (2.22E-7)	2.29	0.67	1.58					3.71
Fold Difference Denominator Difference Denominator Raw \	CTX post (5.42E-7)	0.94					0.40	1.59	1.52
Folc Fold Diffe	CRB post (2.15E-7)		0.69			2.52		4.00	3.83
(Fc	Hippo post (8.61E-7)			0.41		0.63	0.25		0.96
	<b>Str post</b> (8.26E-7)				0.27	0.66	0.26	1.04	

Supplementary Table 7. Fold differences comparing expression of G protein  $\gamma_4$  in pre *or* postsynaptic fractions between brain regions and pre *and* postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_4$  in postsynaptic fractions to  $G\gamma_4$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_4$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_4$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_4$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_4$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

Gγ <sub>7</sub>					ifference Num				
		<b>CTX pre</b> (4.51E-6)	<b>CRB pre</b> (1.97E-6)	<b>Hippo pre</b> (3.97E-6)	<b>Str pre</b> (7.74E-6)	<b>CTX post</b> (7.85E-6)	<b>CRB post</b> (5.11E-6)	<b>Hippo post</b> (1.37E-5)	<b>Str post</b> (4.29E-5)
	<b>CTX pre</b> (4.51E-6)		0.44	0.88	1.72	1.74			
. <b>or</b> w Value	<b>CRB pre</b> (1.97E-6)	2.29		2.01	3.93		2.59		
ominat ator Ra	Hippo pre (3.97E-6)	1.14	0.50		1.95			3.46	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (7.74E-6)	0.58	0.25	0.51					5.55
Fold Difference Denominator Difference Denominator Raw \	CTX post (7.85E-6)	0.57					0.65	1.75	5.47
<b>Fold</b> (Fold Diffe	<b>CRB post</b> (5.11E-6)		0.39			1.54		2.69	8.41
(Fe	Hippo post (1.37E-5)			0.29		0.57	0.37		3.13
	<b>Str post</b> (4.29E-5)				0.18	0.18	0.12	0.32	

Supplementary Table 8. Fold differences comparing expression of G protein  $\gamma_7$  in pre *or* postsynaptic fractions between brain regions and pre *and* postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_7$  in postsynaptic fractions to  $G\gamma_7$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_7$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_7$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_7$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_7$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

<b>G</b> γ <sub>12</sub>					ifference Num				
G 7 12				•	nce Numerato	•			
		CTX pre	CRB pre	Hippo pre	Str pre	CTX post	CRB post	Hippo post	Str post
		(6.44E-6)	(5.08E-6)	(2.43E-6)	(1.42E-6)	(1.81E-5)	(1.60E-5)	(1.30E-5)	(1.49E-5)
	<b>CTX pre</b> (6.44E-6)	-	0.79	0.38	0.22	2.81			
: <b>or</b> w Value	<b>CRB pre</b> (5.08E-6)	1.27		0.48	0.28		3.16		
ominat ator Ra	Hippo pre (2.43E-6)	2.65	2.09		0.58			5.36	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (1.42E-6)	4.53	3.57	1.71					10.46
Fold Difference Denominator Difference Denominator Raw \	CTX post (1.81E-5)	0.36					0.89	0.72	0.82
<b>Folc</b> (Fold Diffe	CRB post (1.60E-5)		0.32			1.13		0.81	0.93
(F	Hippo post (1.30E-5)			0.19		1.39	1.23		1.14
	<b>Str post</b> (1.49E-5)				0.10	1.22	1.08	0.88	

Supplementary Table 9. Fold differences comparing expression of G protein  $\gamma_{12}$  in pre or postsynaptic fractions between brain regions and pre and postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_{12}$  in postsynaptic fractions to  $G\gamma_{12}$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_{12}$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_{12}$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_{12}$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_{12}$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values for the denominator in these calculations are shown along the left of the table, highlighted in bold and parentheses respectively. Raw values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.

<b>G</b> γ <sub>13</sub>					ifference Num nce Numerato				
		<b>CTX pre</b> (9.11E-6)	<b>CRB pre</b> (5.32E-6)	Hippo pre (2.26E-6)	<b>Str pre</b> (1.04E-6)	CTX post (1.10E-5)	<b>CRB post</b> (1.18E-5)	<b>Hippo post</b> (4.96E-6)	Str post (3.86E-6)
	<b>CTX pre</b> (9.11E-6)		0.58	0.25	0.11	1.21			
<b>or</b> <i>n</i> Value	<b>CRB pre</b> (5.32E-6)	1.71		0.43	0.20		2.22		
ominat ator Rav	<b>Hippo pre</b> (2.26E-6)	4.03	2.35		0.46			2.19	
ence Denominator Denominator Raw Value)	<b>Str pre</b> (1.04E-6)	8.76	5.12	2.18					3.71
Fold Difference Denominator Difference Denominator Raw \	CTX post (1.10E-5)	0.83					1.07	0.45	0.35
<b>Fold</b> (Fold Diffe	<b>CRB post</b> (1.18E-5)		0.45			0.93		0.42	0.33
(Fc	Hippo post (4.96E-6)			0.46		2.22	2.38		0.79
	<b>Str post</b> (3.86E-6)				0.27	2.86	3.06	1.29	

Supplementary Table 10. Fold differences comparing expression of G protein  $\gamma_{13}$  in pre or postsynaptic fractions between brain regions and pre and postsynaptic fractions within a brain region. Fold differences comparing expression of  $G\gamma_{13}$  in postsynaptic fractions to  $G\gamma_{13}$  expression in presynaptic fractions within a brain region were calculated by dividing the total normalized area for  $G\gamma_{13}$  peptides within the postsynaptic fraction by the total normalized area for  $G\gamma_{13}$  peptides within the presynaptic fraction (e.g. CTX post/CTX pre). Fold differences comparing expression of  $G\gamma_{13}$  in presynaptic fractions within one brain region to presynaptic expression within another brain region were calculated by dividing the total normalized area for  $G\gamma_{13}$  in the presynaptic fraction of one brain region by expression in the presynaptic fraction within a second brain region (e.g. CTX pre/CRB pre). This was also done to compare expression of  $G\gamma_{13}$  in postsynaptic fractions between brain regions. Comparisons were not made between pre and postsynaptic fractions of different brain regions. Brain regions and raw total area values for the numerator in these calculations are shown along the top of the table, highlighted in bold and parentheses respectively. Brain regions and raw total area values and fold differences were rounded to two decimal places. Fold differences that are significant are shown in bold. CTX: cortex; CRB: cerebellum; Hippo: hippocampus; Str: striatum; pre: presynaptic fraction; post: postsynaptic fraction.