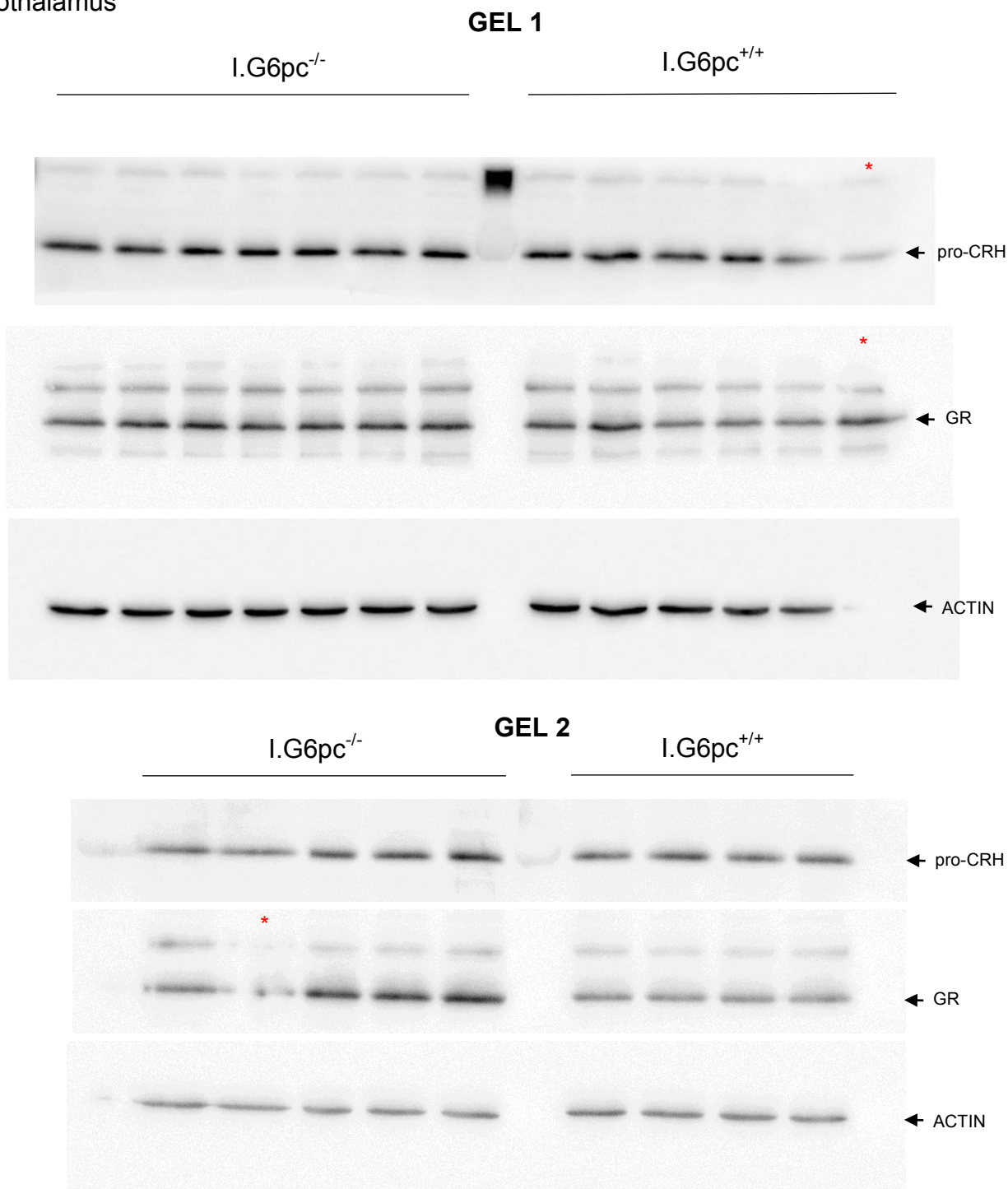


Figure S9. Sinet et al. : Raw data of the blots quantified in the study (images and quantification).

# RAW DATA – FIGURE 3

Hypothalamus

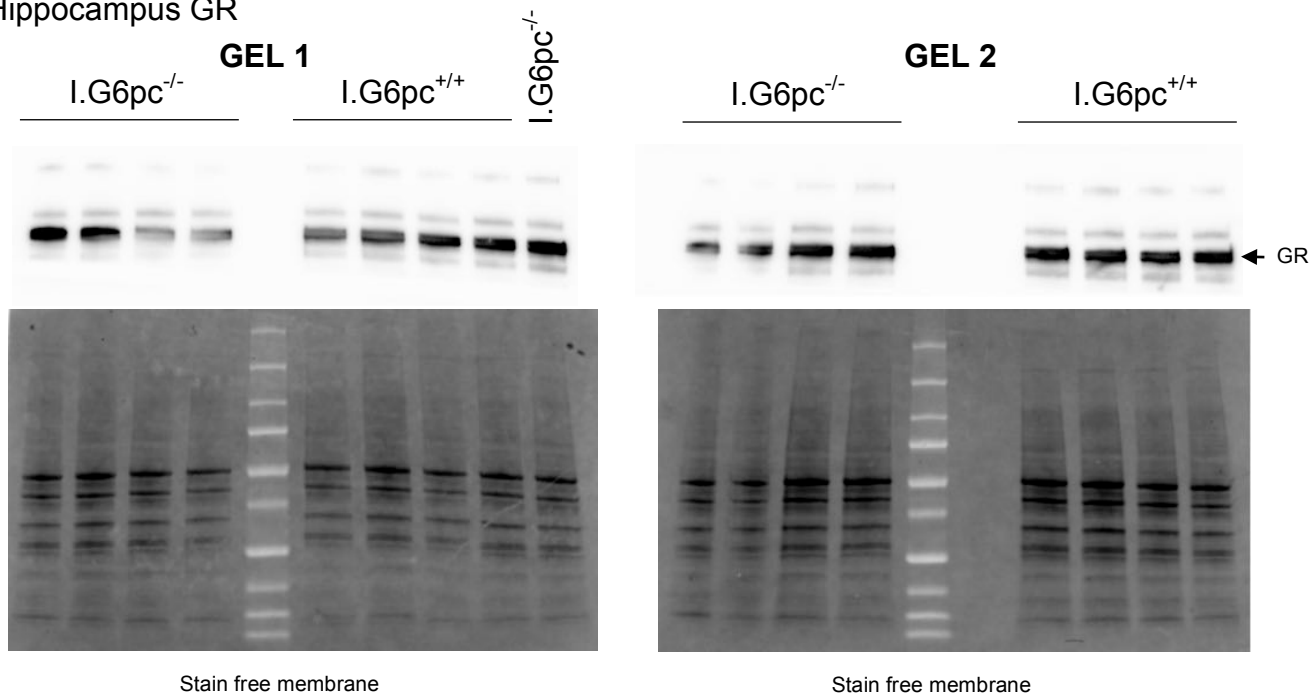


\* : these samples were not taken into account for the quantification (lack of band)

	samples		pro-CRH	b-Actin	Ratio	mean	T-test actin levels
I.G6pc <sup>+/+</sup>	Lane 7	GEL 2	25.838	27.061	0.95	1.20	0.81
	Lane 8		32.141	27.794	1.16		
	Lane 9		26.057	26.266	0.99		
	Lane 10		24.354	20.595	1.18		
	Lane 9	GEL 1	54.926	44.262	1.24		
	Lane 10		66.236	44.367	1.49		
	Lane 11		55.897	40.988	1.36		
	Lane 12		47.887	31.271	1.53		
	Lane 13		27.305	29.625	0.92		
I.G6pc <sup>-/-</sup>	Lane 1	GEL 2	41.731	30.5	1.37	1.44	
	Lane 2		33.928	25.264	1.34		
	Lane 3		26.883	19.252	1.40		
	Lane 4		33.152	23.415	1.42		
	Lane 5		40.939	22.888	1.79		
	Lane 1	GEL 1	73.906	44.104	1.68		
	Lane 2		53.591	40.235	1.33		
	Lane 3		53.033	39.605	1.34		
	Lane 4		48.737	36.733	1.33		
	Lane 5		57.353	38.817	1.48		
	Lane 6		56.115	44.262	1.27		
	Lane 7		57.207	35.595	1.61		

	samples		GR	b-Actin	Ratio	mean	T-test actin levels
I.G6pc <sup>+/+</sup>	Lane 7	GEL 2	35.847	27.061	1.32	1.50	0.68
	Lane 8		32.936	27.794	1.19		
	Lane 9		30.659	26.266	1.17		
	Lane 10		33.241	20.595	1.61		
	Lane 9	GEL 1	75.387	44.262	1.70		
	Lane 10		87.231	44.367	1.97		
	Lane 11		52.827	40.988	1.29		
	Lane 12		49.895	31.271	1.60		
	Lane 13		50.158	29.625	1.69		
I.G6pc <sup>-/-</sup>	Lane 1	GEL 2	50.096	30.5	1.64	2.05	
	Lane 2						
	Lane 3		52.42	19.252	2.72		
	Lane 4		58.923	23.415	2.52		
	Lane 5		63.242	22.888	2.76		
	Lane 1	GEL 1	72.379	44.104	1.64		
	Lane 2		73.921	40.235	1.84		
	Lane 3		81.215	39.605	2.05		
	Lane 4		66.589	36.733	1.81		
	Lane 5		68.431	38.817	1.76		
	Lane 6		73.808	44.262	1.67		
	Lane 7		76.628	35.595	2.15		

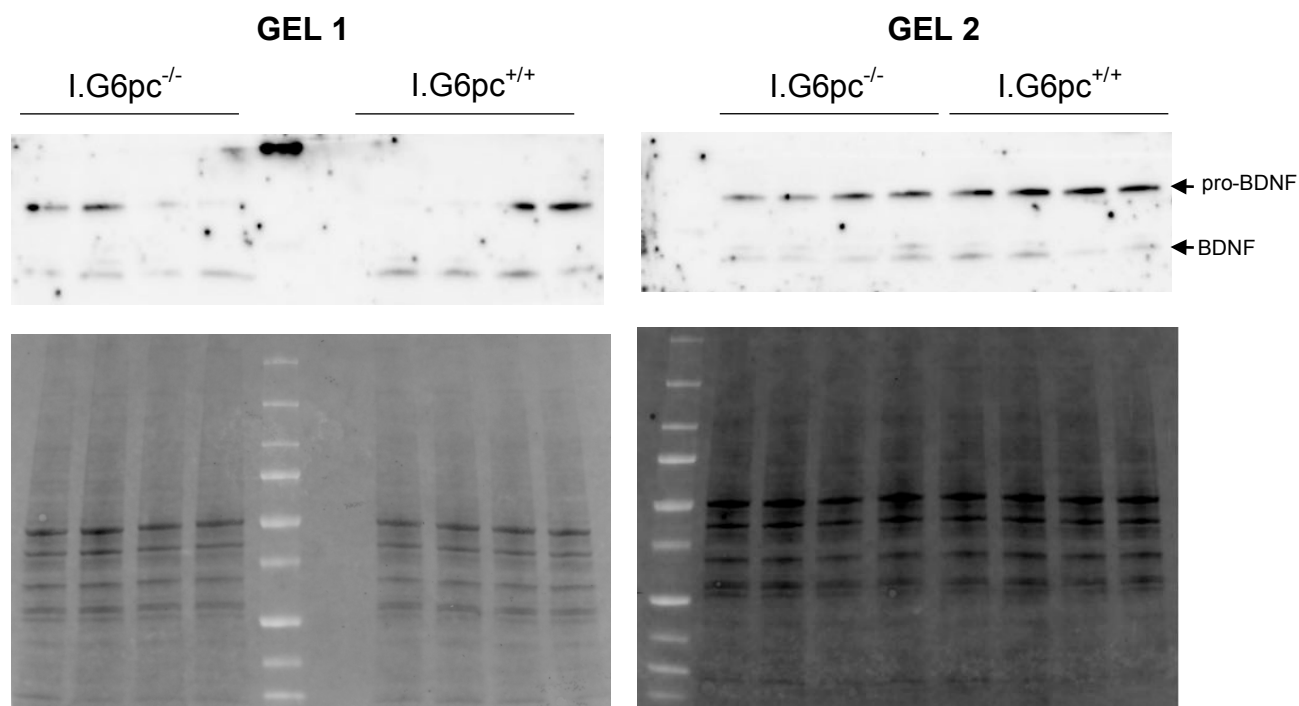
# Hippocampus GR



	samples	GEL	Volume (Int)	Norm. Factor	Norm. Vol. (Int)	Mean
I.G6pc <sup>-/-</sup>	Lane 1	Gel-1	193828050	1	193828050	123466794.2
	Lane 2		165646650	0.880903	145918599	
	Lane 3		74414210	1.004911	74779640	
	Lane 4		81407560	1.225989	99804784	
	Lane 10		206168040	0.861774	177670184	
	Lane 2	Gel-2	87460920	1	87460920	
	Lane 3		109672296	0.886908	97269260	
	Lane 4		185154816	0.593143	109823221	
	Lane 5		203228256	0.613332	124646490	
I.G6pc <sup>+/+</sup>	Lane 6	Gel-1	124490340	1.068097	132967742	158641314.1
	Lane 7		145809950	0.899555	131164079	
	Lane 8		148830110	1.222193	181899135	
	Lane 9		175948890	0.968932	170482429	
	Lane 6	Gel-2	237325114	0.733804	174150097	
	Lane 7		229944633	0.728546	167525175	
	Lane 8		199836912	0.746434	149165036	
	Lane 9		165677764	0.976455	161776820	

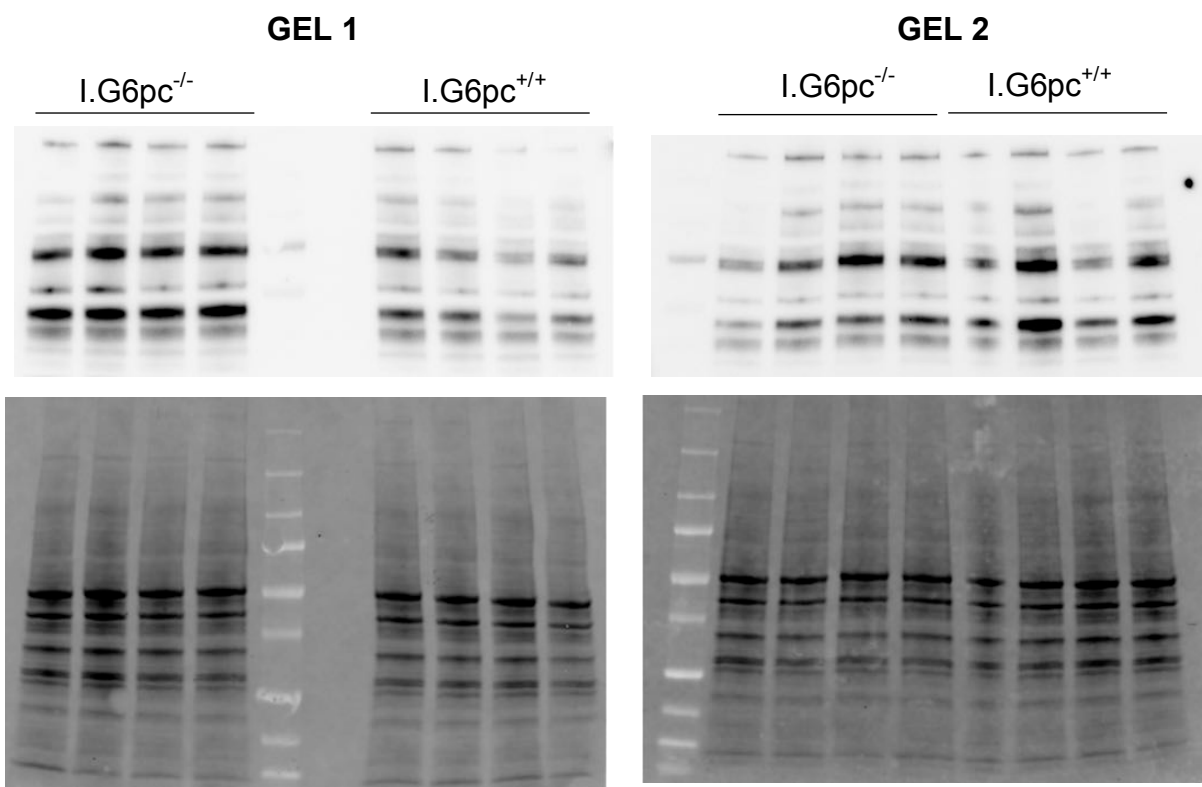
# RAW DATA – FIGURE 4

## Hippocampus BDNF



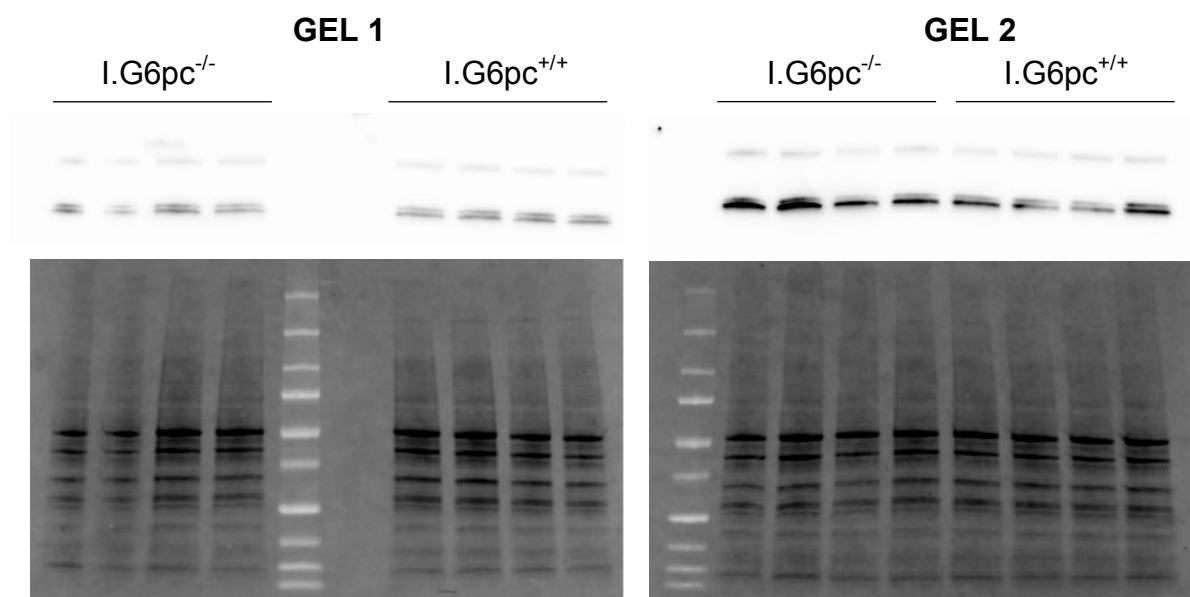
		Channel	Volume (Int)	Norm. Factor	Norm. Vol. (Int)	Mean
I-G6pc-/-	Gel1	Lane 1	1615336	1	1615336	1716141
		Lane 2	1951504	0.936988	1828535	
		Lane 3	1159108	1.10379	1279412	
		Lane 4	2408468	1.006235	2423484	
	Gel2	Lane 2	1711400	1	1711400	
		Lane 3	1009300	1.063405	1073294	
		Lane 4	1350100	1.252249	1690662	
		Lane 5	2374100	0.887496	2107004	
I-G6pc+/+	Gel1	Lane 7	3627192	0.909272	3298105	2604271
		Lane 8	3172344	0.863356	2738861	
		Lane 9	4416828	0.803802	3550256	
		Lane 10	2314260	0.446737	1033865	
	Gel2	Lane 6	3187000	1.02528	3267567	
		Lane 7	2820400	0.966394	2725618	
		Lane 8	Signal too low	1.008177	Signal too low	
		Lane 9	1721400	0.938553	1615624	

# Hippocampus P-CREB



	samples	GEL	Volume (Int)	Norm. Factor	Norm. Vol. (Int)	Mean
I.G6pc-/-	Lane 1	Gel-1	42195105	1	42195105	35034472
	Lane 2		45494721	0.98	44562287	
	Lane 3		41743836	1.05	43898561	
	Lane 4		54512748	1.07	58375854	
	Lane 2	Gel-2	8191440	1.00	8171072	
	Lane 3		20163516	1.33	26902223	
	Lane 4		20404386	1.27	25880669	
	Lane 5		24411942	1.24	30290009	
I.G6pc+/+	Lane 7	Gel-1	29437308	1.21	35693568	28427955
	Lane 8		23732064	1.24	29353574	
	Lane 9		9678600	1.09	10568541	
	Lane 10		18646695	1.43	26639796	
	Lane 6	Gel-2	15778566	1.34	21166758	
	Lane 7		49127808	1.16	57110617	
	Lane 8		17708502	1.05	18578607	
	Lane 9		28312176	1	28312176	

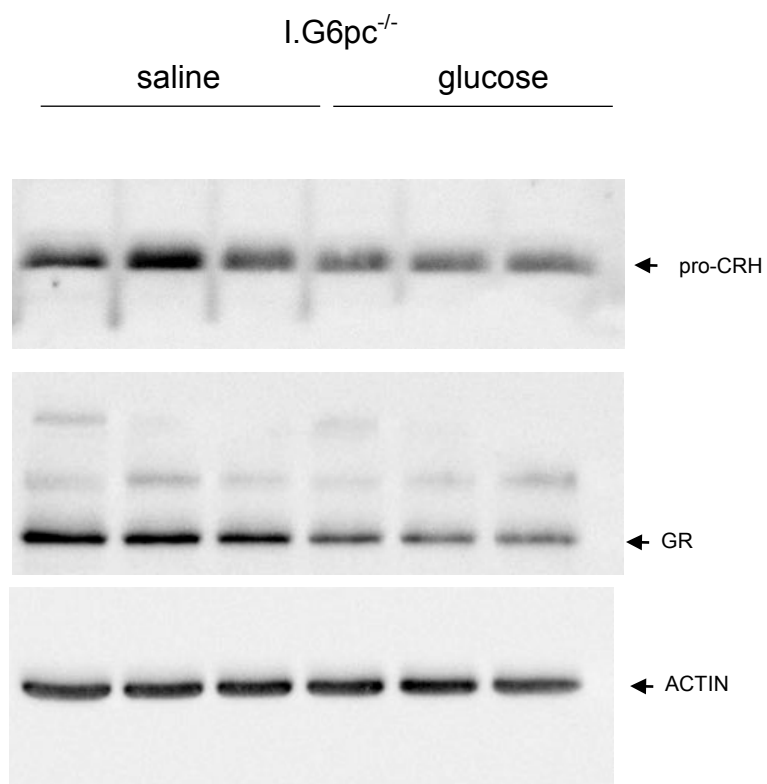
## Hippocampus CREB



	samples	GEL	Volume (Int)	Norm. Factor	Norm. Vol. (Int)	Mean
I.G6pc-/-	Lane 1	Gel-1	13456692	1	13456692	25702246
	Lane 2		6624165	1.010789	6695633	
	Lane 3		21431274	0.62989	13499352	
	Lane 4		15617679	0.692642	10817464	
	Lane 2	Gel-2	55427772	1	55427772	
	Lane 3		67046076	0.680497	45624648	
	Lane 4		36652704	0.933212	34204747	
	Lane 5		38973754	0.664336	25891663	
I.G6pc+/+	Lane 7	Gel-1	14770332	0.599505	8854886	17485219
	Lane 8		18575829	0.608675	11306636	
	Lane 9		18349509	0.707295	12978515	
	Lane 10		16393440	0.763429	12515232	
	Lane 6	Gel-2	36778730	0.69365	25511567	
	Lane 7		25722236	0.759339	19531892	
	Lane 8		20244436	0.808811	16373927	
	Lane 9		44600760	0.735617	32809097	

## RAW DATA – FIGURE 5

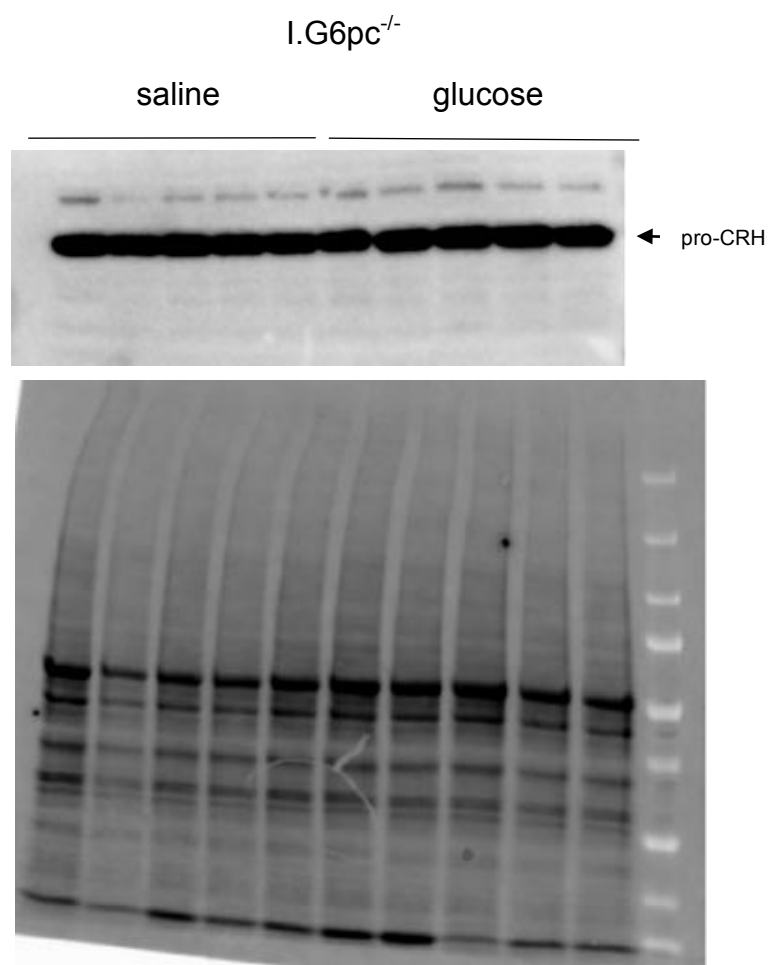
### Hypothalamus



		GR	pro-CRH	Actin
Saline	Lane 1	36.65	44.40	20.32
	Lane 2	31.33	50.10	22.27
	Lane 3	26.71	38.06	21.73
Glucose	Lane 4	19.32	31.37	22.13
	Lane 5	17.67	28.65	22.93
	Lane 6	18.89	30.19	21.65
T-test Actin		0.31		

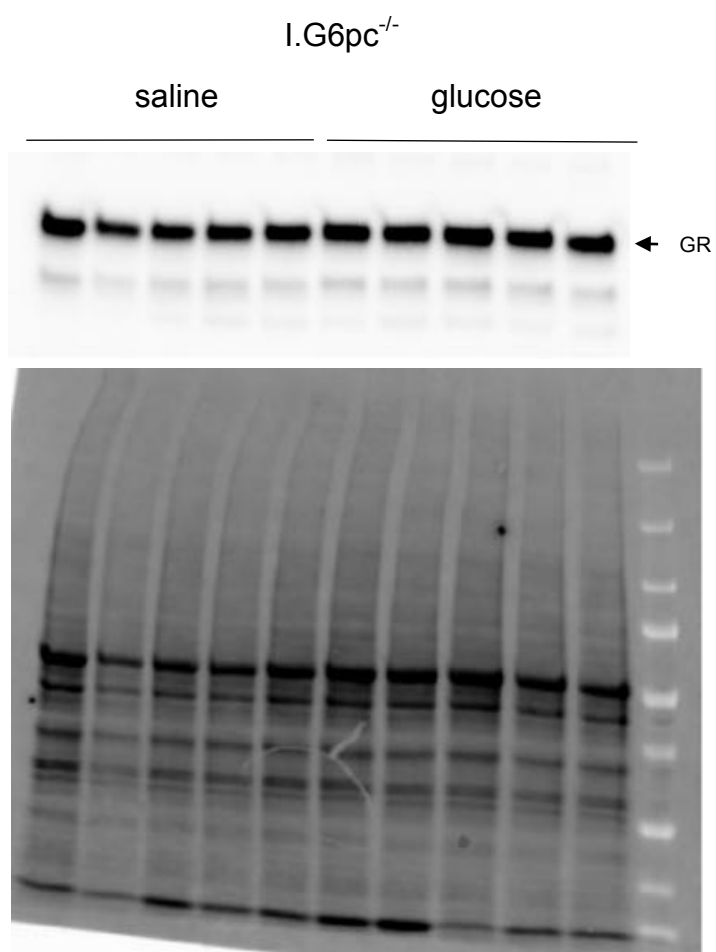
## Hypothalamus

pro-CRH



		Volume (Int)	Norm. factor	Norm. Vol. (Int)
Saline	Lane 1	50451975	1	50451975
	Lane 2	41940675	1.610458	67543696
	Lane 3	48713625	1.124174	54762591
	Lane 4	43833450	1.001569	43902225
	Lane 5	37646775	0.916644	34508690
Glucose	Lane 6	35210325	0.867297	30537809
	Lane 7	41555775	0.863352	35877261
	Lane 8	47884200	0.833537	39913252
	Lane 9	44510550	1.017975	45310627
	Lane 10	43104975	1.061356	45749724

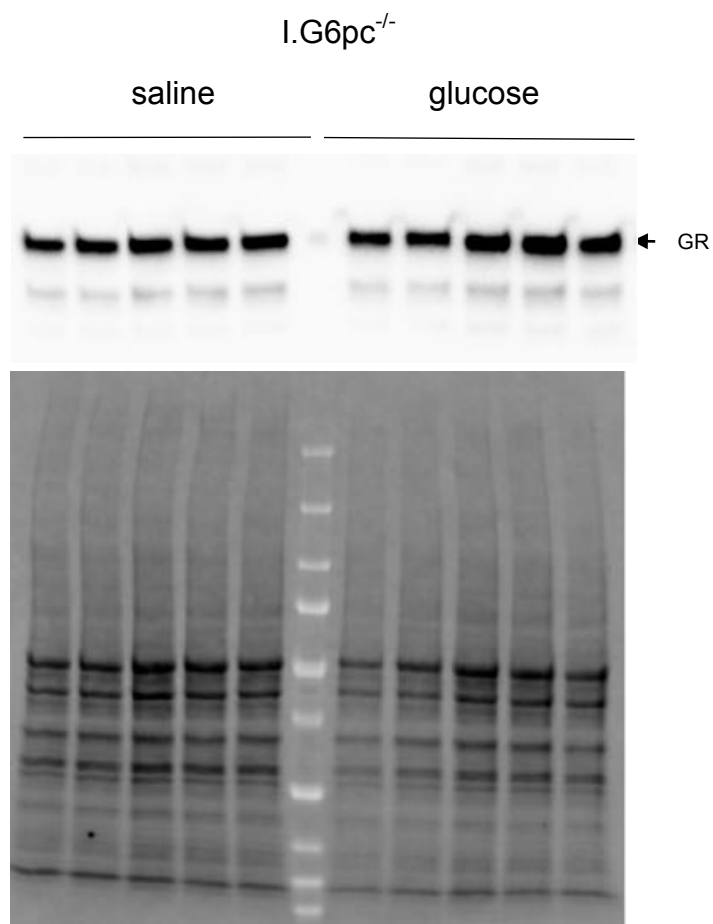
GR



		Volume (Int)	Norm. factor	Norm. Vol. (Int)
Saline	Lane 1	50514684	1	50514684
	Lane 2	29071350	1.610458	46818199
	Lane 3	34753224	1.124174	39068679
	Lane 4	37313100	1.001569	37371636
	Lane 5	41709690	0.916644	38232937
Glucose	Lane 6	47333088	0.867297	41051848
	Lane 7	45655104	0.863352	39416442
	Lane 8	57571602	0.833537	47988046
	Lane 9	45264450	1.017975	46078073
	Lane 10	43635966	1.061356	46313284

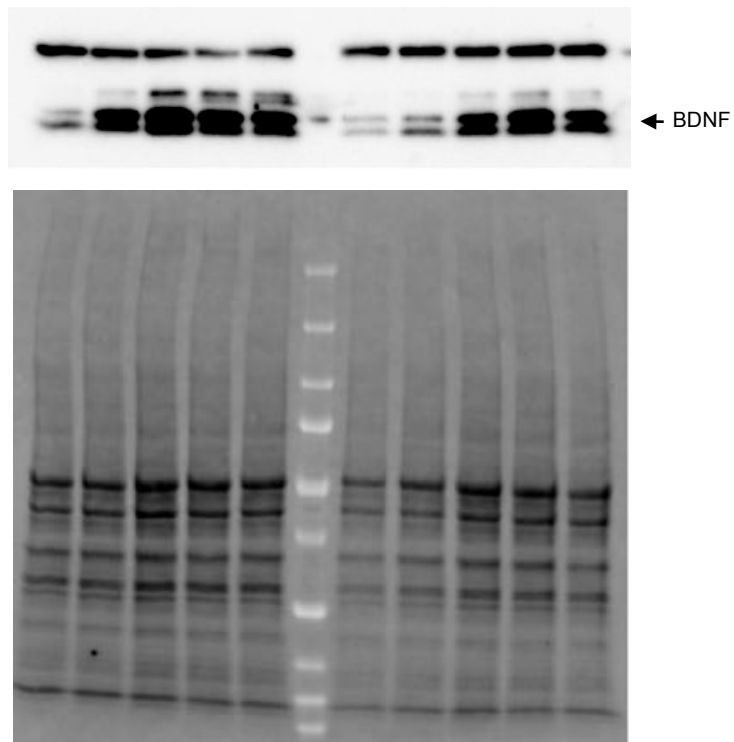
## Hippocampus

GR



		Volume (Int)	Norm. factor	Norm. Vol. (Int)
Saline	Lane 1	26372905	1	26372905
	Lane 2	31713695	0.867208	27502360
	Lane 3	38563395	0.709135	27346635
	Lane 4	36803260	0.792722	29174739
	Lane 5	40065090	0.860396	34471860
Glucose	Lane 6	30566705	1.520852	46487435
	Lane 7	34767265	1.244502	43267926
	Lane 8	54367040	0.757727	41195386
	Lane 9	61816300	0.746132	46123108
	Lane 10	45227715	0.902831	40832997

BDNF

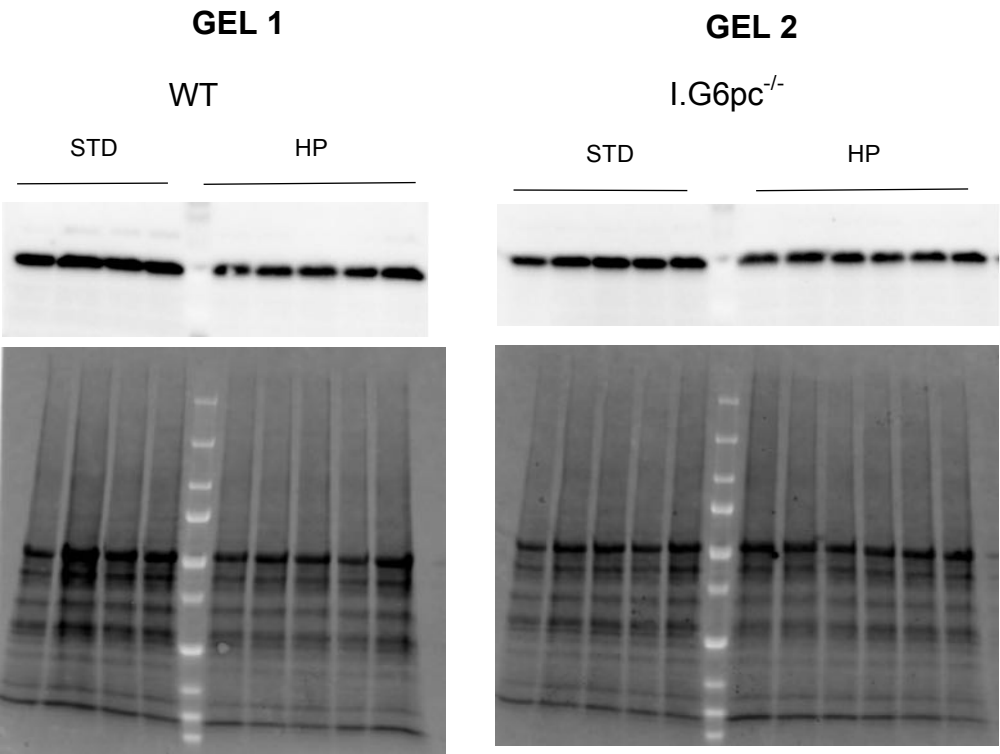


		Volume (Int)	Norm. factor	Norm. Vol. (Int)
Saline	Lane 1	256566	1	256566
	Lane 2	1858975	0.867208	1612117
	Lane 3	7180798	0.709135	5092151
	Lane 4	7939516	0.792722	6293825
	Lane 5	8427333	0.860396	7250847
Glucose	Lane 6	312503	1.520852	475270
	Lane 7	384666	1.244502	478717
	Lane 8	1870016	0.757727	1416962
	Lane 9	4348202	0.746132	3244331
	Lane 10	2344169	0.902831	2116389

RAW DATA – FIGURE 6

Hypothalamus

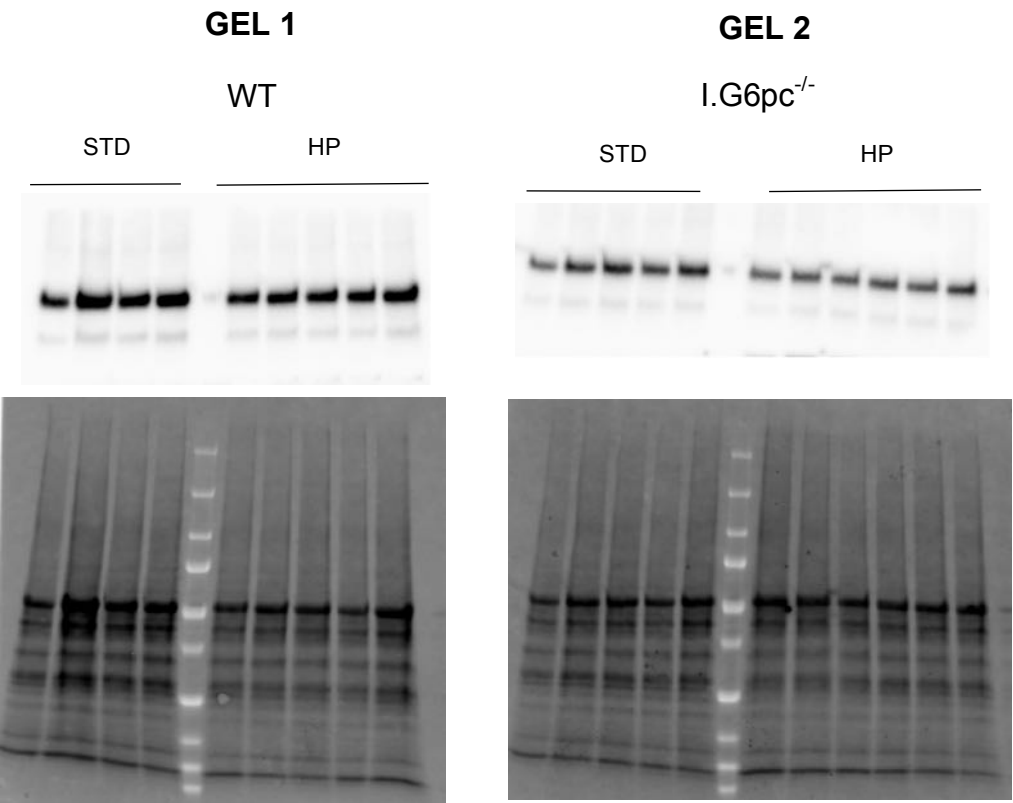
pro-CRH



			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel1	Lane 1	WT-STD	49884375	1	49884375
	Lane 2		59780500	0.506506	30279153
	Lane 3		58926845	0.783147	46148399
	Lane 4		60109875	0.757214	45516040
	Lane 6	WT-HP	33077325	1.07441	35538621
	Lane 7		37846845	0.971979	36786331
	Lane 8		40358510	0.852538	34407149
	Lane 9		38985675	0.944851	36835641
	Lane 10		50868845	0.570582	29024844
Gel2	Lane 1	I-G6PC <sup>-/-</sup> STD	28070000	1	28070000
	Lane 2		42619640	0.65379	27864309
	Lane 3		46294430	0.66144	30621003
	Lane 4		40281150	0.878834	35400449
	Lane 5		39070850	0.694411	27131227
	Lane 6	I-G6PC <sup>-/-</sup> HP	32724860	0.697169	22814748
	Lane 7		39309480	0.839041	32982251
	Lane 8		35517510	0.784475	27862590
	Lane 9		30389730	0.847333	25750206
	Lane 10		33975693	0.774739	26322287
	Lane 11		36305746	0.696936	25302772

Hypothalamus

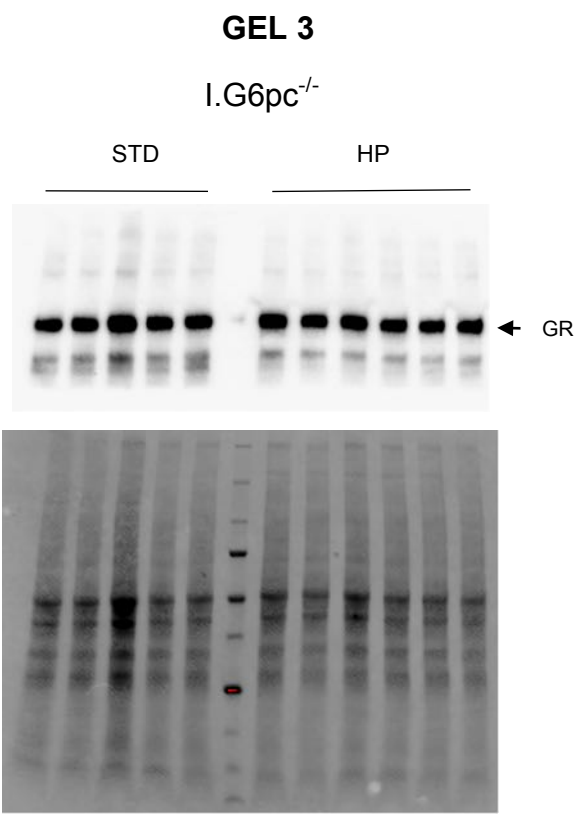
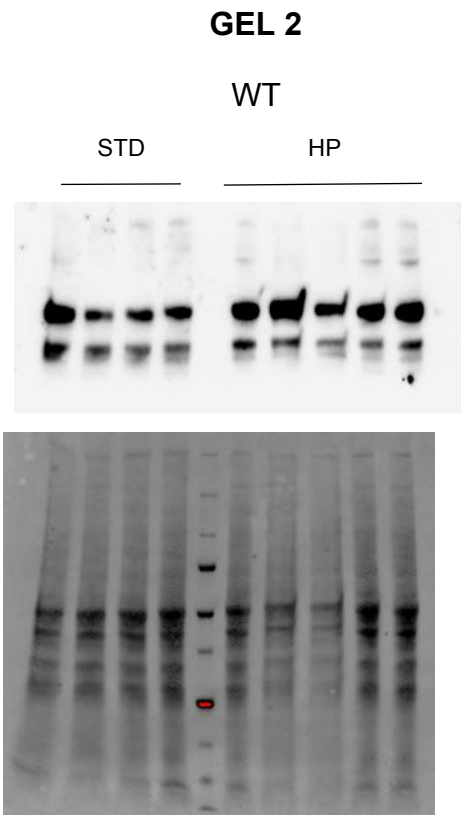
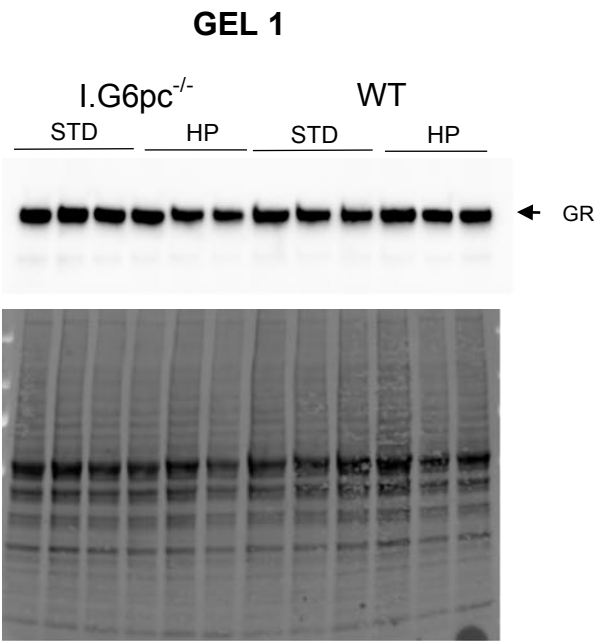
GR



			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel1	Lane 1	WT-STD	29794224	1	29794224
	Lane 2		54154768	0.506506	27429714.92
	Lane 3		42441542	0.783147	33237966.29
	Lane 4		52417652	0.757214	39691379.94
	Lane 6	WT-HP	34500892	1.07441	37068103.37
	Lane 7		37090942	0.971979	36051616.71
	Lane 8		37200620	0.852538	31714942.17
	Lane 9		35193618	0.944851	33252725.16
	Lane 10		47231538	0.570582	26949465.42
Gel2	Lane 1	I-G6PC <sup>-/-</sup> STD	15678676	1	15678676
	Lane 2		24290396	0.65379	15880818
	Lane 3		28341248	0.66144	18746035
	Lane 4		21287968	0.878834	18708590
	Lane 5		27342848	0.694411	18987174
	Lane 6	I-G6PC <sup>-/-</sup> HP	18688644	0.697169	13029143
	Lane 7		20634952	0.839041	17313571
	Lane 8		19371924	0.784475	15196790
	Lane 9		20385040	0.847333	17272917
	Lane 10		20433972	0.774739	15830995
	Lane 11		23937160	0.696936	16682669

Hippocampus

GR

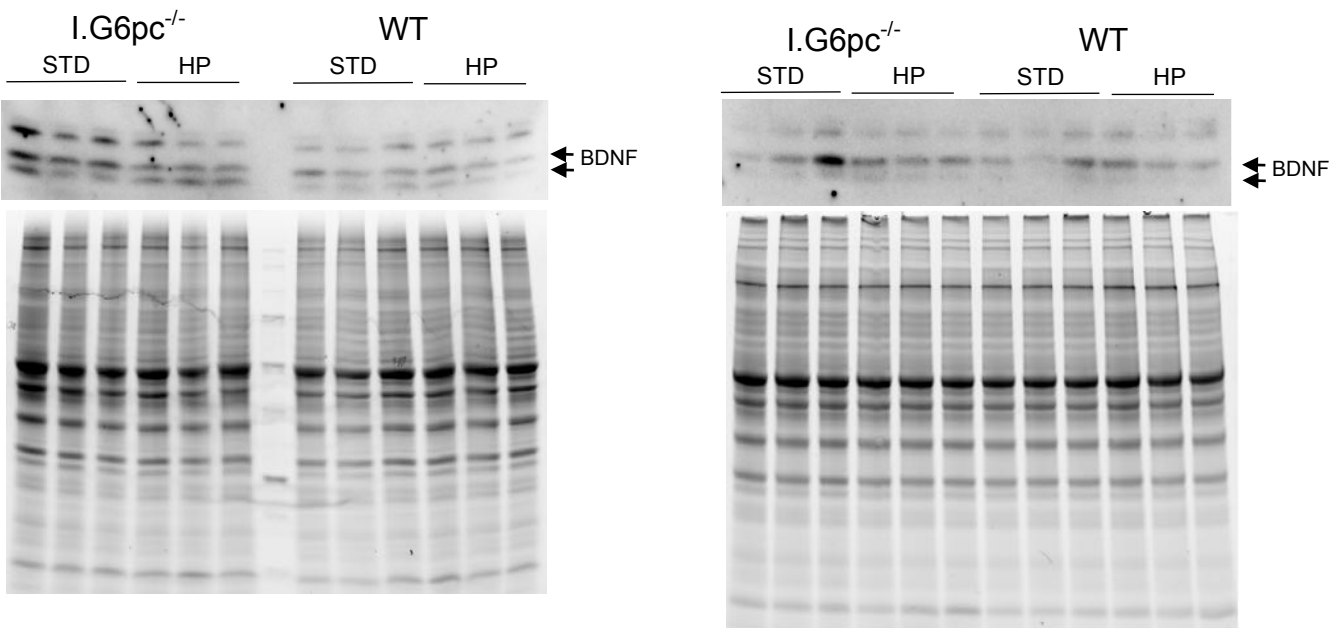


			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel1	Lane 1	I-G6PC <sup>-/-</sup> STD	58435986	1	58435986
	Lane 2		60352248	0.868971	52444344
	Lane 3		54034482	1.101908	59541049
	Lane 4	I-G6PC <sup>-/-</sup> HP	54352554	1.10277	59938360
	Lane 5		40353268	0.938906	37887930
	Lane 6		34192450	1.44342	49354065
	Lane 7	WT-STD	49063592	1.069341	52465730
	Lane 8		43791566	1.261817	55256925
	Lane 9		41642144	1.135418	47281243
	Lane 10	WT-HP	54300296	0.930491	50525926
	Lane 11		45617580	1.501374	68489032
	Lane 12		47023790	1.351804	63566937

			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel2	Lane 1	WT-STD	10160490	1	10160490
	Lane 2		2776980	0.955422	2653188
	Lane 3		3233312	0.950279	3072548
	Lane 4		3535376	0.826515	2922041
	Lane 6	WT-HP	8762936	0.87945	7706564
	Lane 7		15597588	0.915346	14277190
	Lane 8		4667052	1.122793	5240133
	Lane 9		7881042	0.867374	6835811
	Lane 10		11985091	0.858134	10284814

			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel3	Lane 1	I-G6PC <sup>-/-</sup> STD	15678676	1	15678676
	Lane 2		24290396	0.645892	15688984
	Lane 3		28341248	0.65453	18550192
	Lane 4		21287968	0.798368	16995626
	Lane 5		27342848	0.68541	18741057
	Lane 6	I-G6PC <sup>-/-</sup> HP	18688644	0.651825	12181720
	Lane 7		20634952	0.73264	15117995
	Lane 8		19371924	0.851156	16488537
	Lane 9		20385040	0.803237	16374026
	Lane 10		20433972	0.771909	15773176
	Lane 11		23937160	0.784994	18790535

BDNF

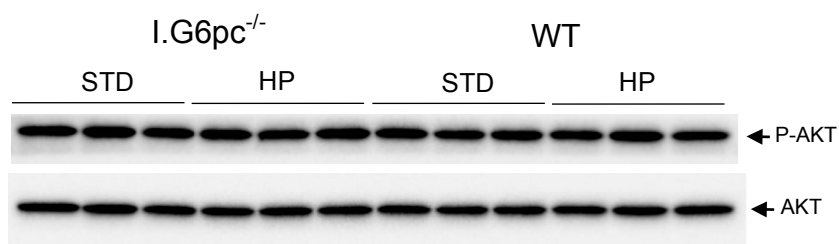


			Volume (Int)	Norm. factor	Norm. Vol. (Int)
Gel1	Lane 1	I-G6PC <sup>-/-</sup> STD	6079536	1	6079536
	Lane 2		3487824	2.795314	9749563
	Lane 3		4050936	2.903329	11761200
	Lane 4	I-G6PC <sup>-/-</sup> HP	3883896	2.497153	9698683
	Lane 5		4596264	2.86925	13187830
	Lane 6		3497688	2.61797	9156842
	Lane 7	WT-STD	2509200	3.10138	7781983
	Lane 8		2010888	2.861712	5754582
	Lane 9		2336040	2.400201	5606966
	Lane 10	WT-HP	2376504	2.346937	5577505
	Lane 11		1826496	2.493432	4554244
	Lane 12		801000	2.18823	1752772
Gel2	Lane 1	I-G6PC <sup>-/-</sup> STD	912320	1	912320
	Lane 2		1535780	0.905	1389881
	Lane 3		1877400	0.699481	1313206
	Lane 4	I-G6PC <sup>-/-</sup> HP	1959298	0.896588	1756683
	Lane 5		1423334	0.889549	1266125
	Lane 6		1629147	1.02226	1665412
	Lane 7	WT-STD	1450785	0.92765	1345821
	Lane 8		1353016	0.812447	1099254
	Lane 9		1807225	1.009963	1825230
	Lane 10	WT-HP	1553696	0.952718	1480234
	Lane 11		1305675	1.070944	1398305
	Lane 12		1318939	0.973576	1284087

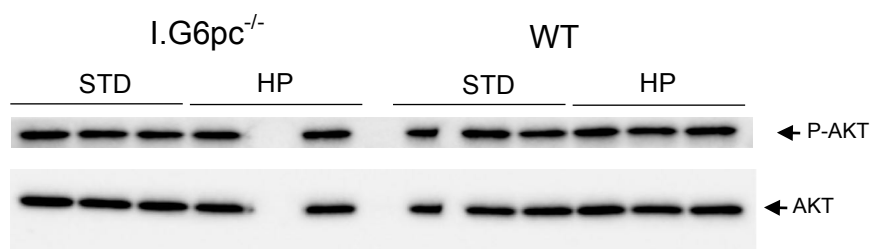
# RAW DATA Figure S3

## Hippocampus-AKT

### GEL 1



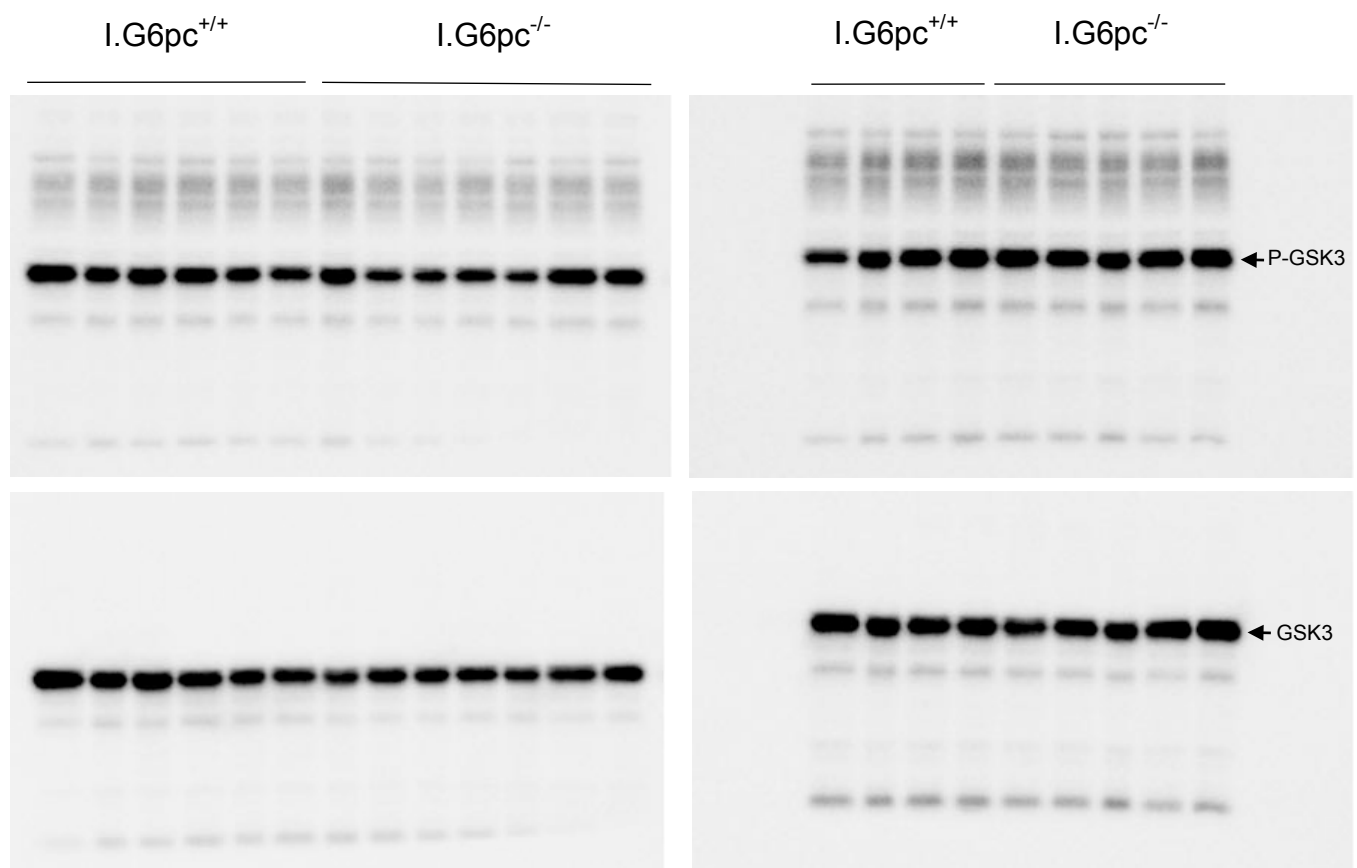
### GEL 2



			P-AKT	AKT	RATIO
Gel1	Lane 1	I-G6PC <sup>-/-</sup> STD	1973653	1909795	1.03
	Lane 2		2292885	2017820	1.14
	Lane 3		1838745	1820852	1.01
	Lane 4	I-G6PC <sup>-/-</sup> HP	1907939	1789184	1.07
	Lane 5		1707520	1824448	0.94
	Lane 6		2052301	1805366	1.14
	Lane 7	WT-STD	1886160	1766129	1.07
	Lane 8		1602569	1667529	0.96
	Lane 9		1798232	1734519	1.04
	Lane 10	WT-HP	1690352	1714480	0.99
	Lane 11		1971304	1833554	1.08
	Lane 12		1620955	1801712	0.90
Gel2	Lane 1	I-G6PC <sup>-/-</sup> STD	1609703	1993344	0.81
	Lane 2		1337393	1746902	0.77
	Lane 3		1224612	1752093	0.70
	Lane 4	I-G6PC <sup>-/-</sup> HP	1329650	1639863	0.81
	Lane 5				
	Lane 6		1422015	1574642	0.90
	Lane 7	WT-STD	999340	1066968	0.94
	Lane 8		1516555	1489962	1.02
	Lane 9		1227976	1593318	0.77
	Lane 10	WT-HP	1468096	1724746	0.85
	Lane 11		1307030	1500112	0.87
	Lane 12		1518324	1653696	0.92

# RAW DATA Figure S7

## Hippocampus-GSK3

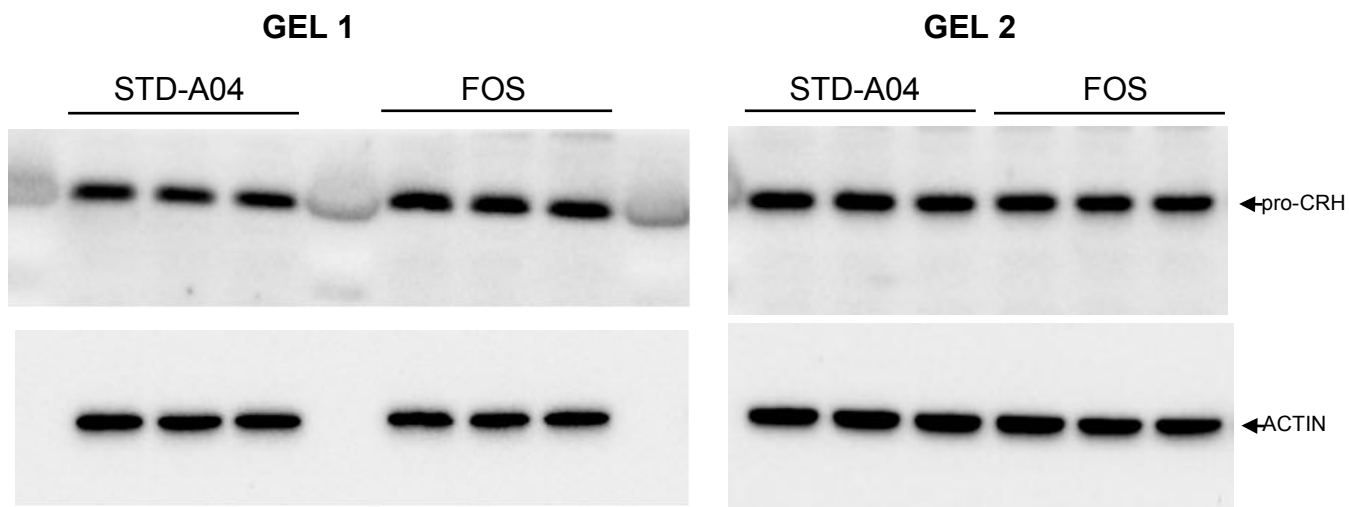


		samples	P-GSK3	GSK3	P-GSK3/GSK3	mean	T-test GSK3 levels
I.G6pc <sup>+/+</sup>	Gel 1	Lane 1	2870848	3678180	0.78	0.79	0.34
		Lane 2	1923424	2573970	0.75		
		Lane 3	2190272	3090930	0.71		
		Lane 4	2357632	2667600	0.88		
		Lane 5	1740064	2235450	0.78		
		Lane 6	1652256	2241120	0.74		
	Gel 2	Lane 1	1297032	3156832	0.41		
		Lane 2	1901450	2378112	0.80		
		Lane 3	2322234	2346176	0.99		
		Lane 4	2635442	2426880	1.09		
I.G6pc <sup>-/-</sup>	Gel 1	Lane 1	2095872	1769730	1.18	0.88	
		Lane 2	1405888	2260560	0.62		
		Lane 3	1323168	2118720	0.62		
		Lane 4	1563648	2104380	0.74		
		Lane 5	1329376	1851270	0.72		
		Lane 6	2343392	2213040	1.06		
		Lane 7	2054528	2427000	0.85		

	Gel 2	Lane 1	2567476	1942048	1.32		
		Lane 2	2294388	2452896	0.94		
		Lane 3	1996412	2153152	0.93		
		Lane 4	2373472	2759616	0.86		
		Lane 5	2402066	3491776	0.69		

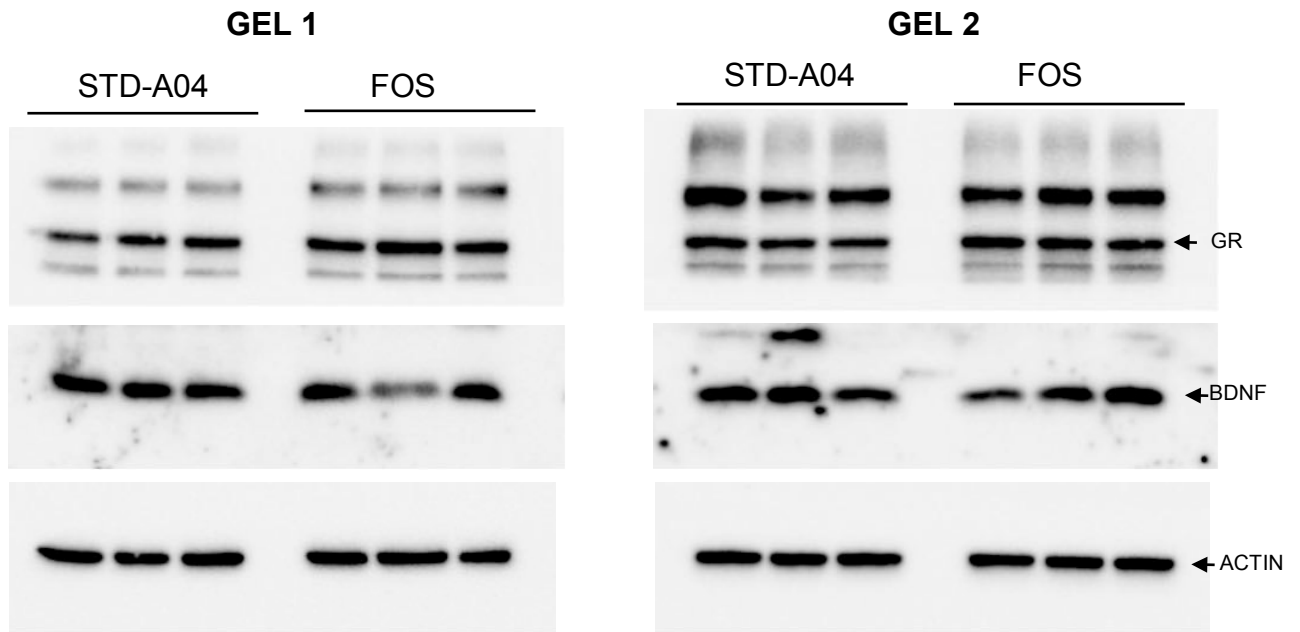
# RAW DATA – FIGURE S8

## Hypothalamus



			pro-CRH	Actin	pro-CRH/ACTIN	Mean	T-test Actin
STD-A04	Gel1	Lane 1	1366484	1515648	0.90	0.92	0.12
		Lane 2	1317762	1402152	0.94		
		Lane 3	1376396	1451184	0.95		
	Gel2	Lane 1	1705928	1739948	0.98		
		Lane 2	1733940	1899126	0.91		
		Lane 3	1534288	1849801	0.83		
FOS	Gel 1	Lane 4	1518408	1370928	1.11	1.00	
		Lane 5	1353864	1275576	1.06		
		Lane 6	1420176	1334448	1.06		
	Gel 2	Lane 4	1476456	1813914	0.81		
		Lane 5	1353024	1460706	0.93		
		Lane 6	1421616	1406340	1.01		

# Hippocampus



			GR	Actin	GR/ACTIN	Mean	T-test Actin
STD-A04	Gel1	Lane 1	811971	1833750	0.44	0.60	0.85
		Lane 2	1065779	1481850	0.72		
		Lane 3	1353488	2055870	0.66		
	Gel2	Lane 1	1315366	1958112	0.67		
		Lane 2	1062672	1767424	0.60		
		Lane 3	960960	1936096	0.50		
FOS	Gel 1	Lane 4	1487091	2029350	0.73	0.79	
		Lane 5	1920786	2159290	0.89		
		Lane 6	1454785	1495080	0.97		
	Gel 2	Lane 4	1471652	1787328	0.82		
		Lane 5	1290458	1787392	0.72		
		Lane 6	1111266	1920576	0.58		

			BDNF	Actin	BDNF/ACTIN	Mean	T-test Actin
STD-A04	Gel1	Lane 1	1898304	1833750	1.04	1.09	0.85
		Lane 2	1964576	1481850	1.33		
		Lane 3	1898848	2055870	0.92		
	Gel2	Lane 1	2055328	1958112	1.05		
		Lane 2	2503232	1767424	1.42		
		Lane 3	1523872	1936096	0.79		
FOS	Gel 1	Lane 4	1968160	2029350	0.97	0.94	
		Lane 5	1258272	2159290	0.58		
		Lane 6	1819936	1495080	1.22		
	Gel 2	Lane 4	1175200	1787328	0.66		
		Lane 5	1652352	1787392	0.92		
		Lane 6	2493760	1920576	1.30		