

Supplementary Table 1. Statistical Analysis of Sex, siRNA, and Glucoprivation (GP) Main Effects and Interactions for Data Presented in Figures 1-5.

	F statistic	Main Effects			Interactions			
		Sex	siRNA	GP	Sex/siRNA	Sex/GP	siRNA/GP	Sex/siRNA/GP
Figure 1								
1A	$F_{(7,16)}=11.96$ $p<0.001$	$F_{(1,16)}=12.19$ $p=0.003$	$F_{(1,16)}=0.13$ $p=0.719$	$F_{(1,16)}=29.23$ $p<0.001$	$F_{(1,16)}=29.42$ $p<0.001$	$F_{(1,16)}=2.30$ $p=0.149$	$F_{(1,160)}=1.09$ $p=0.313$	$F_{(1,16)}=9.32$ $p=0.008$
1B	$F_{(7,16)}=9.44$ $p<0.001$	$F_{(1,16)}=18.67$ $p=0.001$	$F_{(1,16)}=13.86$ $p=0.002$	$F_{(1,16)}=20.93$ $p<0.001$	$F_{(1,16)}=3.72$ $p=0.072$	$F_{(1,16)}=4.93$ $p=0.041$	$F_{(1,16)}=0.43$ $p=0.519$	$F_{(1,16)}=3.56$ $p=0.077$
1C	$F_{(7,16)}=17.93$ $p<0.001$	$F_{(1,16)}=8.18$ $p=0.011$	$F_{(1,16)}=0.28$ $p=0.870$	$F_{(1,16)}=54.54$ $p<0.001$	$F_{(1,16)}=43.74$ $p<0.001$	$F_{(1,16)}=5.63$ $p=0.031$	$F_{(1,16)}=0.81$ $p=0.381$	$F_{(1,16)}=12.55$ $p=0.003$
1D	$F_{(7,16)}=5.79$ $P=0.002$	$F_{(1,16)}=2.83$ $p=0.112$	$F_{(1,16)}=10.94$ $p=0.005$	$F_{(1,16)}=18.09$ $p=0.001$	$F_{(1,16)}=0.01$ $p=0.922$	$F_{(1,16)}=3.71$ $p=0.072$	$F_{(1,16)}=1.49$ $p=0.240$	$F_{(1,16)}=3.48$ $p=0.081$
Figure 2								
2A	$F_{(7,16)}=55.94$ $p<0.001$	$F_{(1,16)}=139.05$ $p<0.001$	$F_{(1,16)}=34.54$ $p<0.001$	$F_{(1,16)}=122.13$ $p<0.001$	$F_{(1,16)}=77.64$ $p<0.001$	$F_{(1,16)}=15.05$ $p=0.001$	$F_{(1,16)}=0.77$ $p=0.393$	$F_{(1,16)}=2.42$ $p=0.139$
2B	$F_{(7,16)}=56.521$ $p<0.001$	$F_{(1,16)}=85.021$ $p<0.001$	$F_{(1,16)}=23.43$ $p<0.001$	$F_{(1,16)}=186330$ $p<0.001$	$F_{(1,16)}=60.89$ $p<0.001$	$F_{(1,16)}=33.68$ $p<0.001$	$F_{(1,16)}=3.95$ $p=0.064$	$F_{(1,16)}=0.01$ $p=0.971$
Figure 3								
3A	$F_{(7,160)}=14.65$ $p<0.001$	$F_{(1,16)}=3.81$ $p=0.069$	$F_{(1,16)}=5.49$ $p=0.032$	$F_{(1,16)}=79.23$ $p<0.001$	$F_{(1,16)}=2.55$ $p=0.130$	$F_{(1,16)}=3.79$ $p=0.069$	$F_{(1,16)}=3.28$ $p=0.089$	$F_{(1,16)}=4.40$ $p=0.052$
3B	$F_{(7,16)}=30.37$ $p<0.001$	$F_{(1,16)}=0.76$ $p=0.396$	$F_{(1,16)}=26.83$ $p<0.001$	$F_{(1,16)}=41.89$ $p<0.001$	$F_{(1,16)}=108.9$ $p<0.001$	$F_{(1,16)}=0.86$ $p=0.369$	$F_{(1,16)}=13.86$ $p=0.002$	$F_{(1,16)}=19.44$ $p=0.001$

3C	$F_{(7,16)}=21.96$ $p<0.001$	$F_{(1,16)}=3.36$ $p=0.086$	$F_{(1,16)}=14.48$ $p=0.002$	$F_{(1,16)}=24.49$ $p<0.001$	$F_{(1,16)}=59.21$ $p<0.001$	$F_{(1,16)}=1.80$ $p=0.198$	$F_{(1,16)}=38.74$ $p<0.001$	$F_{(1,16)}=11.59$ $p=0.004$
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Figure 4

4A	$F_{(7,16)}=5.57$ $p=0.002$	$F_{(1,16)}=6.10$ $p=0.025$	$F_{(1,16)}=0.22$ $p=0.650$	$F_{(1,16)}=0.55$ $p=0.468$	$F_{(1,16)}=10.82$ $p=0.005$	$F_{(1,16)}=9.05$ $p=0.008$	$F_{(1,16)}=4.11$ $p=0.060$	$F_{(1,16)}=8.517$ $p=0.011$
4B	$F_{(7,16)}=82.23$ $p<0.001$	$F_{(1,16)}=137.10$ $p<0.001$	$F_{(1,16)}=103.90$ $p<0.001$	$F_{(1,16)}=57.04$ $p<0.001$	$F_{(1,16)}=31.23$ $p<0.001$	$F_{(1,16)}=202.20$ $p<0.001$	$F_{(1,16)}=18.57$ $p<0.001$	$F_{(1,16)}=25.49$ $p<0.001$
4C	$F_{(7,16)}=8.96$ $p<0.001$	$F_{(1,16)}=3.68$ $p=0.073$	$F_{(1,16)}=0.16$ $p=0.698$	$F_{(1,16)}=2.63$ $p=0.124$	$F_{(1,16)}=16.11$ $p=0.001$	$F_{(1,16)}=20.35$ $p<0.001$	$F_{(1,16)}=3.21$ $p=0.092$	$F_{(1,16)}=16.61$ $p<0.001$
4D	$F_{(7,16)}=39.09$ $p<0.001$	$F_{(1,16)}=55.49$ $p<0.001$	$F_{(1,16)}=65.81$ $p<0.001$	$F_{(1,16)}=36.02$ $p<0.001$	$F_{(1,16)}=30.34$ $p<0.001$	$F_{(1,16)}=74.41$ $p<0.001$	$F_{(1,16)}=10.39$ $p=0.005$	$F_{(1,16)}=1.18$ $p=0.293$

Figure 5

5A	$F_{(7,16)}=83.60$ $p<0.001$	$F_{(1,16)}=83.24$ $p<0.001$	$F_{(1,16)}=88.02$ $p<0.001$	$F_{(1,16)}=19.13$ $p<0.001$	$F_{(1,16)}=5.08$ $p=0.039$	$F_{(1,16)}=282.10$ $p<0.001$	$F_{(1,16)}=41.09$ $p<0.001$	$F_{(1,16)}=66.53$ $p<0.001$
5B	$F_{(7,16)}=38.48$ $p<0.001$	$F_{(1,16)}=40.21$ $p<0.001$	$F_{(1,16)}=40.18$ $p<0.001$	$F_{(1,16)}=13.94$ $p=0.002$	$F_{(1,16)}=7.25$ $p=0.016$	$F_{(1,16)}=127.60$ $p<0.001$	$F_{(1,16)}=22.82$ $p<0.001$	$F_{(1,16)}=17.33$ $p<0.001$
