

Supplementary File 7. Raw data for Figure 1b: Cp values for Akt in 5 independent qPCR plates

| plate 1 | reference for Slc1a5 and Psat | plate 2 for Eif4ebp1 | plate 3 for Trib3 | plate 4 for Ddit3 | plate 5 for Slc3a2 |
|-----------|-------------------------------|----------------------|-------------------|-------------------|--------------------|
| | Mean Cp* | Mean Cp* | Mean Cp* | Mean Cp* | Mean Cp* |
| wt A 16 | 24,03 | 23,88 | 22,98 | 23,01 | 23,11 |
| wt B1 16 | 24,02 | 23,84 | 23,23 | 23,11 | 23,36 |
| wt B2 16 | 24,53 | 24,22 | 23,81 | 23,81 | 23,92 |
| wt A 17 | 23,99 | 23,81 | 23,24 | 23,26 | 23,47 |
| wt B1 17 | 24,09 | 23,99 | 23,39 | 23,46 | 23,50 |
| wt B2 17 | 24,49 | 24,14 | 23,95 | 24,05 | 23,98 |
| wt A 21 | 23,92 | 23,80 | 23,02 | 23,08 | 23,14 |
| wt B1 21 | 23,78 | 23,74 | 22,84 | 22,70 | 22,84 |
| wt B2 21 | 25,16 | 25,05 | 24,32 | 24,20 | 24,36 |
| 2b5 A 16 | 23,97 | 24,03 | 23,35 | 23,30 | 23,36 |
| 2b5 B1 16 | 24,20 | 24,38 | 22,70 | 22,57 | 22,64 |
| 2b5 B2 16 | 24,31 | 24,22 | 24,05 | 24,00 | 24,15 |
| 2b5 A 17 | 24,18 | 24,29 | 23,66 | 23,56 | 23,66 |
| 2b5 B1 17 | 23,26 | 23,44 | 23,19 | 22,97 | 23,19 |
| 2b5 B2 17 | 24,33 | 24,55 | 24,37 | 24,05 | 24,12 |
| 2b5 A 21 | 23,44 | 23,53 | 23,00 | 22,95 | 22,97 |
| 2b5 B1 21 | 24,05 | 24,20 | 23,22 | 23,22 | 23,28 |
| 2b5 B2 21 | 24,68 | 24,93 | 24,17 | 24,14 | 24,19 |

*each mean CP represents mean signal from two wells in the same plate

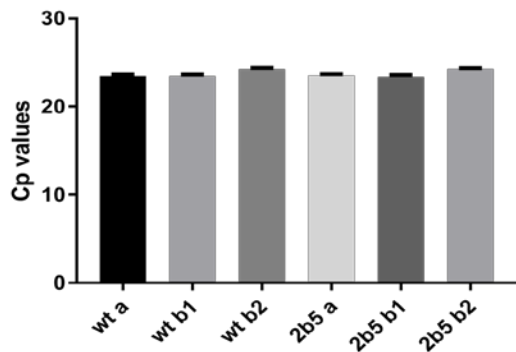
mean per plate

| wt A | wt B1 | wt B2 | 2b5 A | 2b5 B1 | 2b5 B2 |
|-------|-------|-------|-------|--------|--------|
| 23,98 | 23,96 | 24,73 | 23,86 | 23,84 | 24,44 |
| 23,83 | 23,85 | 24,47 | 23,95 | 24,01 | 24,57 |
| 23,08 | 23,15 | 24,03 | 23,34 | 23,03 | 24,19 |
| 23,12 | 23,09 | 24,02 | 23,27 | 22,92 | 24,06 |
| 23,24 | 23,23 | 24,08 | 23,33 | 23,04 | 24,16 |

SD per plate (variation between samples from different animals)

| wt A | wt B1 | wt B2 | 2b5 A | 2b5 B1 | 2b5 B2 |
|------|-------|-------|-------|--------|--------|
| 0,06 | 0,16 | 0,38 | 0,38 | 0,51 | 0,21 |
| 0,05 | 0,13 | 0,50 | 0,39 | 0,50 | 0,35 |
| 0,14 | 0,28 | 0,26 | 0,33 | 0,29 | 0,16 |
| 0,13 | 0,38 | 0,19 | 0,31 | 0,33 | 0,07 |
| 0,20 | 0,35 | 0,24 | 0,35 | 0,35 | 0,03 |

Akt Cp values figure 1b



Conclusion

No differences in Akt mRNA abundance between WT and 2b5ho gradient fractions