

Fig. S1 SB changes the succinylation of liver, especially in mitochondria

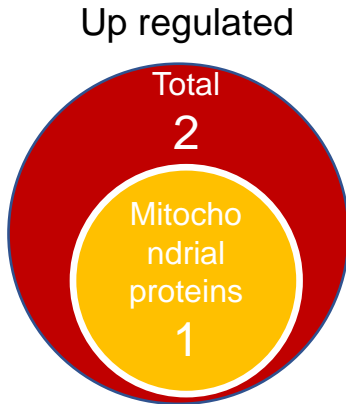
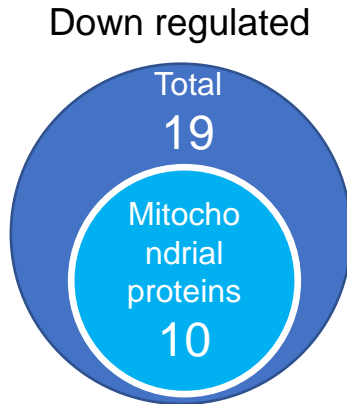
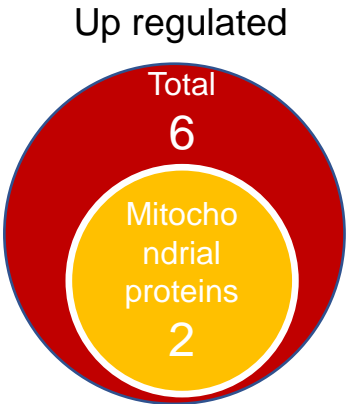
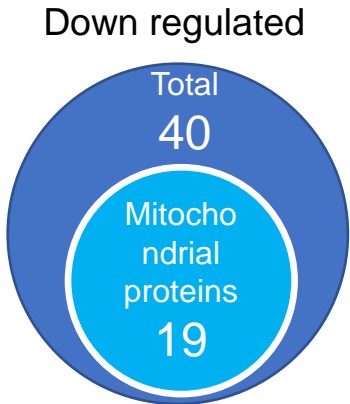
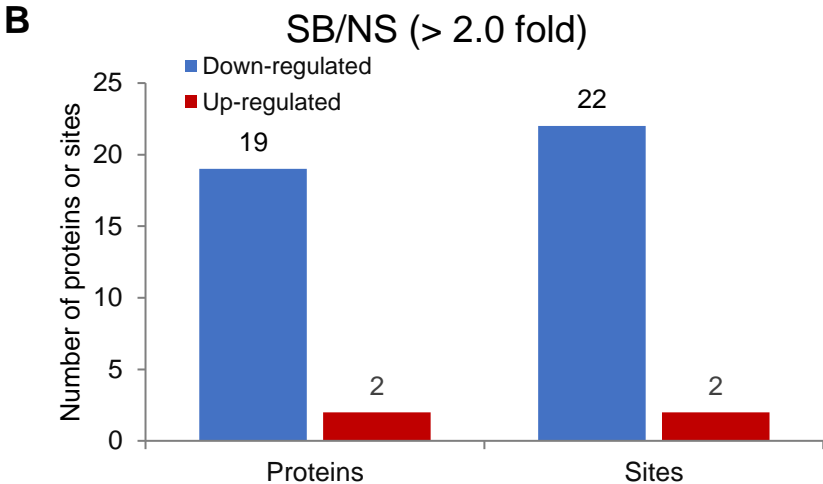
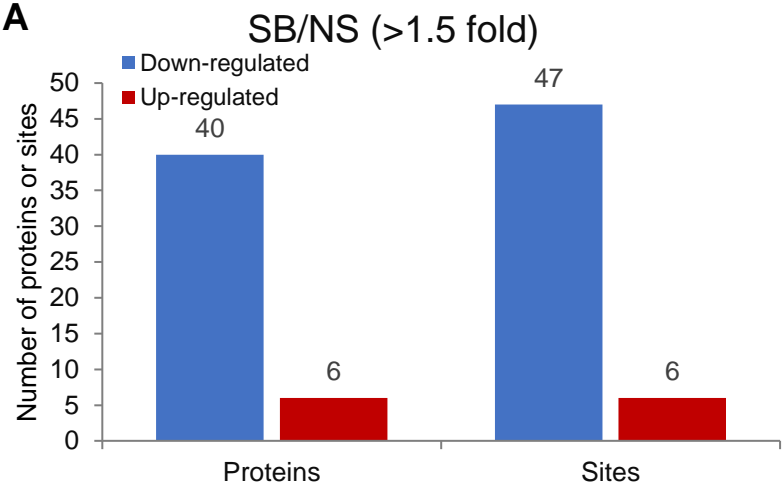


Table S1

Succinylation

| Protein | Protein accession | Position /Sites | Amino acid | NS_1 | NS_2 | NS_3 | SB_1 | SB_2 | SB_3 | SB/NS Ratio | SB/NS P value |
|---------|-------------------|-----------------|------------|-------|-------|-------|-------|-------|-------|-------------|---------------|
| SIRT5 | Q8K2C6 | 112 | K | 0.937 | | 0.99 | 1.162 | 0.911 | | 1.076 | 0.64948 |
| SIRT5 | Q8K2C6 | 203 | K | | | 1.027 | | 0.973 | | 0.947 | |
| | | | | | | | | | | | |
| OGDH | Q60597 | 401 | K | | | | | 0.732 | 1.268 | | |
| OGDH | Q60597 | 970 | K | 0.859 | 1 | 1.005 | 1.124 | 0.973 | 1.039 | 1.095 | 0.23914 |
| | | | | | | | | | | | |
| CTP1A | P97742 | 180 | K | | 1.012 | 0.988 | | | | | |
| CTP1A | P97742 | 292 | K | | | | 1 | | | | |
| CTP1A | P97742 | 329 | K | 1.096 | | | | | 0.904 | 0.825 | |
| CTP1A | P97742 | 508 | K | | 1.418 | 0.664 | | | 0.917 | 0.881 | |

Acetylation

| Protein | Protein accession | Position /Sites | Amino acid | NS_1 | NS_2 | NS_3 | SB_1 | SB_2 | SB_3 | SB/NS Ratio | SB/NS P value |
|---------|-------------------|-----------------|------------|-------|-------|-------|-------|-------|-------|-------------|---------------|
| OGDH | Q60597 | 564 | | 1 | | | | | | | |
| OGDH | Q60597 | 401 | 0.985 | 0.982 | 1.087 | 0.784 | 1.423 | 0.739 | 0.965 | 0.73888 | |
| OGDH | Q60597 | 970 | 0.824 | 1.149 | 1.385 | 1.07 | 0.791 | 0.781 | 0.787 | 0.28116 | |
| OGDH | Q60597 | 897 | | | 1 | | | | | | |
| OGDH | Q60597 | 276 | 2.038 | 0.271 | | | 0.691 | | 0.599 | | |
| OGDH | Q60597 | 860 | 1.319 | 0.981 | 0.829 | | | 0.871 | 0.835 | | |
| OGDH | Q60597 | 947 | 0.967 | 1.006 | 1.152 | 0.818 | 1.003 | 1.053 | 0.92 | 0.4074 | |
| | | | | | | | | | | | |
| CTP1A | P97742 | 344 | | 1.083 | | | 0.819 | 1.099 | 0.886 | | |