

Table S6. Targets and central nodes (in bold the ones shared by all species; underlined the ones shared by Donkey and Goat).

| Species | Targets | Central nodes |
|---------|---|---------------|
| Cow | YOD1 MFSD8 MDM4 | MDM5 |
| | | YOD1 |
| | | MFSD8 |
| Donkey | ZNF264 MDM4 IKZF3 ZNF644 ZNF587 ZBTB37 YOD1 SOCS7 RBM12B PRORP LCOR FAM104A CSNK2A1 ADIPOR2 CEP120 | CSNK2A1 |
| | | IKZF3 |
| | | ZNF587 |
| | | CEP120 |
| | | ZNF644 |
| | | LCOR |
| | | MDM4 |
| | | <u>SOCS4</u> |
| Goat | YOD1 ZNF264 MDM4 AGO-01 ZBTB37 SOCS7 MFSD8 KPNA6 CEBPG BZW1 ATXN1 ARIH1 KMT2D EPHA4 | ATXN1 |
| | | KPNA6 |
| | | ARIH1 |
| | | KMT2D |
| | | MDM4 |
| | | <u>SOCS4</u> |
| | | ZNF264 |
| | | EPHA4 |