

Supplemental Table 2: Sequence identity chart for all sequences used in the MR alignment.

| | <i>H.sapiens</i> | <i>M.musculus</i> | <i>D.rerio</i> | <i>G.aculeatus</i> | <i>T.rubripes</i> | <i>O.latipes</i> | <i>T.nigroviridis</i> | <i>O.mykiss</i> | <i>C.carpio</i> | <i>A.burtoni</i> | <i>P.notatus</i> |
|-----------------------|------------------|-------------------|----------------|--------------------|-------------------|------------------|-----------------------|-----------------|-----------------|------------------|------------------|
| <i>H.sapiens</i> | 100 | 95 | 74 | 69 | 67 | 70 | 68 | 69 | 73 | 68 | 74 |
| <i>M.musculus</i> | 95 | 100 | 74 | 68 | 68 | 70 | 69 | 71 | 73 | 71 | 75 |
| <i>D.rerio</i> | 74 | 74 | 100 | 84 | 83 | 85 | 84 | 88 | 95 | 85 | 88 |
| <i>G.aculeatus</i> | 69 | 68 | 84 | 100 | 91 | 92 | 92 | 87 | 84 | 94 | 93 |
| <i>T.rubripes</i> | 67 | 68 | 83 | 91 | 100 | 91 | 95 | 87 | 82 | 92 | 93 |
| <i>O.latipes</i> | 70 | 70 | 85 | 92 | 91 | 100 | 92 | 89 | 87 | 96 | 90 |
| <i>T.nigroviridis</i> | 68 | 69 | 84 | 92 | 95 | 92 | 100 | 85 | 84 | 93 | 92 |
| <i>O.mykiss</i> | 69 | 71 | 88 | 87 | 87 | 89 | 85 | 100 | 86 | 88 | 87 |
| <i>C.carpio</i> | 73 | 73 | 95 | 84 | 82 | 87 | 84 | 86 | 100 | 83 | 86 |
| <i>A.burtoni</i> | 68 | 71 | 85 | 94 | 92 | 96 | 93 | 88 | 83 | 100 | 95 |
| <i>P.notatus</i> | 74 | 75 | 88 | 93 | 93 | 90 | 92 | 87 | 86 | 95 | 100 |