Supplementary file 2. Species names and GenBank accession numbers of the protein sequences used in this study.

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| protein | species | accession number |
| GAL | human (*Homo sapiens*) | NP\_057057 |
| GAL | bovine (*Bos taurus*) | NP\_776339 |
| GAL | mouse (*Mus musculus*) | NP\_034383 |
| GAL | rat (*Rattus norvegicus*) | NP\_150240 |
| Gal | chicken (*Gallus gallus*) | NP\_001138861 |
| Gal | stickleback (*Gasterosteus aculeatus*) | ALD51505 |
| Gal | zebrafish (*Danio rerio*) | AJG05990 |
| GALP | human (*Homo sapiens*) | NP\_149097 |
| GALP | mouse (*Mus musculus*) | NP\_821171 |
| SPX | human (*Homo sapiens*) | NP\_085049 |
| SPX | mouse (*Mus musculus*) | NP\_001229274 |
| GALR1 | human (*Homo sapiens*) | NP\_001471 |
| GALR1 | bovine (*Bos taurus*) | NP\_001179170 |
| GALR1 | mouse (*Mus musculus*) | NP\_032108 |
| GALR1 | rat (*Rattus norvegicus*) | NP\_037090 |
| Galr1 | chicken (*Gallus gallus*) | NP\_001121534 |
| Galr1 | medaka (*Oryzias latipes*) | XP\_004086705 |
| Galr1a | seabass (*Dicentrarchus labrax*) | AIU47913 |
| Galr1b | seabass (*Dicentrarchus labrax*) | AIU47914 |
| GALR2 | human (*Homo sapiens*) | NP\_003848 |
| GALR2 | bovine (*Bos taurus*) | NP\_001098480 |
| GALR2 | mouse (*Mus musculus*) | NP\_034384 |
| GALR2 | rat (*Rattus norvegicus*) | NP\_062045 |
| Galr2 | chicken (*Gallus gallus*) | NP\_001121535 |
| Galr2a | seabass (*Dicentrarchus labrax*) | AIU47916 |
| Galr2b | seabass (*Dicentrarchus labrax*) | AIU47915 |
| GALR3 | human (*Homo sapiens*) | NP\_003605 |
| GALR3 | mouse (*Mus musculus*) | NP\_056553 |
| GALR3 | rat (*Rattus norvegicus*) | NP\_062046 |
| Galr3 | chicken (*Gallus gallus*) | NP\_001124057 |
| AlstR | *Drosophila melanogaster* | NP\_524700 |
| Npr-9 | *Caenorhabditis elegans* | NP\_509896 |