

Table S3 Accession numbers of genes used in the synteny analysis of beta-defensins 1 and 2.

| Genes | Species | | | | |
|----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | <i>D. labrax</i> | <i>L. calcarifer</i> | <i>S. aurata</i> | <i>S. lalandi^b</i> | <i>S. maximus^b</i> |
| <i>defb1</i> | ENSDLAG00005026052 | ENSLCAG00010025743 ^a | ENSSAUG00010014090 | ENSSLDG00000017411 ^a | ENSSMAG00000015557 ^a |
| <i>defb2</i> | ENSDLAG00005001996 | ENSLCAG00010006231 | ENSSAUG00010026539 | ENSSLDG00000020114 | ENSSMAG00000013172 |
| <i>atp1b2b</i> | ENSDLAG00005026068 | ENSLCAG00010025763 | ENSSAUG00010015305 | ENSSLDG00000017566 | ENSSMAG00000015277 |
| <i>CAPN6</i> | ENSDLAG00005001788 | ENSLCAG00010006146 | ENSSAUG00010025836 | ENSSLDG00000020262 | ENSSMAG00000013231 |
| <i>chrdl2</i> | ENSDLAG00005002011 | ENSLCAG00010006252 | ENSSAUG00010026542 | ENSSLDG00000020064 | ENSSMAG00000013155 |
| <i>cnksr2b</i> | ENSDLAG00005025976 | ENSLCAG00010025729 | ENSSAUG00010014051 | ENSSLDG00000017251 | ENSSMAG00000015588 |
| <i>il13ra2</i> | ENSDLAG00005001759 | ENSLCAG00010006126 | ENSSAUG00010025832 | ENSSLDG00000020312 | ENSSMAG00000013307 |
| <i>KCNAB3</i> | ENSDLAG00005002038 | ENSLCAG00010006338 | ENSSAUG00010026552 | ENSSLDG00000020006 | ENSSMAG00000013080 |
| <i>lrch2</i> | ENSDLAG00005001681 | ENSLCAG00010006112 | ENSSAUG00010025830 | ENSSLDG00000020331 | ENSSMAG00000013376 |
| <i>mepce</i> | ENSDLAG00005001988 | ENSLCAG00010006223 | ENSSAUG00010026538 | ENSSLDG00000020120 | ENSSMAG00000013182 |
| <i>mogat3b</i> | ENSDLAG00005026062 | ENSLCAG00010025759 | ENSSAUG00010015302 | ENSSLDG00000017526 | ENSSMAG00000015327 |
| <i>neu3.1</i> | ENSDLAG00005002025 | ENSLCAG00010006274 | ENSSAUG00010026547 | ENSSLDG00000020043 | ENSSMAG00000013071 |
| <i>nyap1</i> | ENSDLAG00005026065 ^a | ENSLCAG00010025761 ^a | ENSSAUG00010015303 | ENSSLDG00000017545 | ENSSMAG00000015310 ^a |
| <i>or121</i> | ENSDLAG00005026051 | ENSLCAG00010025739 | ENSSAUG00010014085 ^a | ENSSLDG00000017386 ^a | ENSSMAG00000015567 ^a |
| <i>PAK3</i> | ENSDLAG00005001894 | ENSLCAG00010006195 | ENSSAUG00010025886 | ENSSLDG00000020143 | ENSSMAG00000013188 |
| <i>rnf121</i> | ENSDLAG00005025916 | ENSLCAG00010025715 | ENSSAUG00010014027 | ENSSLDG00000017174 | ENSSMAG00000015786 |
| <i>rnf167</i> | ENSDLAG00005026054 | ENSLCAG00010025746 | ENSSAUG00010014093 | ENSSLDG00000017455 | ENSSMAG00000015502 |
| <i>rrm1</i> | ENSDLAG00005025894 | ENSLCAG00010025699 | ENSSAUG00010013817 | ENSSLDG00000017093 | ENSSMAG00000015872 |
| <i>spag7</i> | ENSDLAG00005002002 | ENSLCAG00010006239 | ENSSAUG00010026541 | ENSSLDG00000020103 | ENSSMAG00000013168 |
| <i>srrt</i> | ENSDLAG00005026057 | ENSLCAG00010025754 | ENSSAUG00010014122 | ENSSLDG00000017477 | ENSSMAG00000015342 |
| <i>trpc2b</i> | ENSDLAG00005025880 | ENSLCAG00010025683 | ENSSAUG00010013753 | ENSSLDG00000017035 | ENSSMAG00000015927 |
| <i>xrra1</i> | ENSDLAG00005002022 | ENSLCAG00010006262 | ENSSAUG00010026544 | ENSSLDG00000020051 ^c | ENSSMAG00000013136 |

defb: beta-defensin; *atp1b2b*: ATPase Na⁺/K⁺ transporting subunit beta 2b/ Sodium/ potassium-transporting ATPase subunit beta-2; *CAPN6*: Calpain 6; *chrdl2*: chordin 2; *cnksr2b*: Connector enhancer of kinase suppressor of Ras 2b; *il13ra2*: Interleukin 13 receptor, alpha 2; *KCNAB3*: Potassium voltage-gated channel subfamily A regulatory beta subunit 3; *lrch2*: Leucine-rich repeats and calponin homology (CH) domain containing 2; *mepce*: Methylphosphate capping enzyme/ 7SK snRNA methylphosphate capping enzyme; *mogat3b*: Monoacylglycerol O-acyltransferase 3b/ Diacylglycerol O-acyltransferase 2; *neu3.1*: Sialidase 3 (membrane sialidase), tandem duplicate 1/ Neuraminidase 3; *nyap1*: Neuronal Tyrosine Phosphorylated Phosphoinositide-3-Kinase Adaptor 1; *or121*: Odorant receptor, family E, subfamily 121, member 1; *PAK3*: p21 (RAC1) activated kinase 3/ Serine/threonine-protein kinase PAK 3; *rnf121*: Ring finger protein 121; *rnf167*: Ring finger protein 167/ E3 ubiquitin-protein ligase RNF167; *rrm1*: Ribonucleotide reductase M1 polypeptide/ Ribonucleoside-diphosphate reductase large subunit; *spag7*: Sperm associated antigen 7; *srvt*: Serrate RNA effector molecule homolog; *trpc2b*: Transient receptor potential cation channel subfamily C member 2b/ Short transient receptor potential channel 2-like; *xrra1*: X-ray radiation resistance associated 1. ^a Predicted gene; ^b Reverse strand; ^c Incomplete gene.