

Table S2. Peptidases identified and classified in the genome of *P. larvae* strain DSM 25430.

| Gene ID | MEROPS family [1] | MEROPS entry | E-value* |
|--------------|-------------------|--------------|-----------|
| ERIC2_c24460 | A08 | MER070683 | 2.00E-12 |
| ERIC2_c25740 | A25 | MER166302 | 7.70E-86 |
| ERIC2_c02380 | C26 | MER066434 | 2.30E-08 |
| ERIC2_c07940 | C26 | MER061258 | 1.40E-61 |
| ERIC2_c24400 | C26 | MER146598 | 3.10E-89 |
| ERIC2_c39480 | C26 | MER134379 | 3.90E-66 |
| ERIC2_c06210 | C40 | MER003807 | 6.00E-18 |
| ERIC2_c07300 | C40 | MER002450 | 4.50E-33 |
| ERIC2_c08860 | C40 | MER003807 | 1.10E-44 |
| ERIC2_c34370 | C40 | MER003805 | 7.20E-28 |
| ERIC2_c38180 | C40 | MER003805 | 1.40E-27 |
| ERIC2_c07830 | C44 | MER020221 | 4.90E-28 |
| ERIC2_c08270 | C44 | MER004101 | 2.20E-64 |
| ERIC2_c18310 | C44 | MER033254 | 1.40E-20 |
| ERIC2_c28690 | C44 | MER033254 | 1.20E-16 |
| ERIC2_c29880 | C44 | MER033254 | 8.50E-20 |
| ERIC2_c37770 | C44 | MER003327 | 1.60E-60 |
| ERIC2_c23100 | C56 | MER002455 | 3.90E-32 |
| ERIC2_c41060 | C56 | MER031432 | 2.70E-11 |
| ERIC2_c29130 | C82 | MER076166 | 2.20E-08 |
| ERIC2_c31230 | C82 | MER076166 | 5.70E-05 |
| ERIC2_c39100 | M01 | MER055808 | 1.90E-29 |
| ERIC2_c11660 | M03B | MER001163 | 6.70E-68 |
| ERIC2_c30240 | M03B | MER084913 | 1.10E-63 |
| ERIC2_c17790 | M04 | MER001026 | 5.10E-104 |
| ERIC2_c23330 | M04 | MER001026 | 5.20E-87 |
| ERIC2_c25850 | M04 | MER001026 | 5.20E-87 |
| ERIC2_c27330 | M06 | MER001164 | 7.00E-127 |
| ERIC2_c40370 | M09B | MER001417 | 4.40E-120 |
| ERIC2_c11410 | M14C | MER001505 | 1.90E-78 |
| ERIC2_c36940 | M15B | MER084164 | 1.30E-49 |
| ERIC2_c21010 | M16B | MER013711 | 2.00E-84 |
| ERIC2_c21020 | M16B | MER084990 | 1.00E-25 |
| ERIC2_c21020 | M16B | MER071223 | 9.30E-40 |
| ERIC2_c21140 | M16B | MER162087 | 2.00E-48 |
| ERIC2_c21140 | M16B | MER142621 | 6.10E-90 |
| ERIC2_c20860 | M19 | MER013425 | 1.30E-51 |
| ERIC2_c05420 | M20A | MER001361 | 1.80E-89 |
| ERIC2_c24360 | M20A | MER173790 | 3.80E-119 |
| ERIC2_c01850 | M20B | MER001421 | 6.70E-121 |
| ERIC2_c12590 | M20B | MER028941 | 2.40E-129 |
| ERIC2_c15490 | M20D | MER081890 | 2.00E-67 |

Table S2 continued

| Gene ID | MEROPS family [1] | MEROPS entry | E-value* |
|--------------|-------------------|--------------|-----------|
| ERIC2_c18240 | M20D | MER005163 | 2.50E-10 |
| ERIC2_c22920 | M20D | MER180918 | 3.10E-31 |
| ERIC2_c22921 | M20D | MER180918 | 6.50E-26 |
| ERIC2_c00360 | M22 | MER145515 | 4.80E-77 |
| ERIC2_c03500 | M22 | MER038778 | 1.30E-26 |
| ERIC2_c03520 | M22 | MER001274 | 3.10E-74 |
| ERIC2_c00710 | M23B | MER158191 | 1.10E-14 |
| ERIC2_c01320 | M23B | MER116068 | 5.90E-50 |
| ERIC2_c01580 | M23B | MER019259 | 1.20E-29 |
| ERIC2_c22020 | M23B | MER083041 | 4.60E-06 |
| ERIC2_c24890 | M23B | MER083041 | 8.60E-05 |
| ERIC2_c28230 | M23B | MER088463 | 6.30E-14 |
| ERIC2_c30340 | M23B | MER021826 | 4.20E-61 |
| ERIC2_c35810 | M23B | MER145504 | 5.40E-08 |
| ERIC2_c35810 | M23B | MER166256 | 4.50E-06 |
| ERIC2_c11500 | M24A | MER001243 | 6.20E-58 |
| ERIC2_c38280 | M24A | MER001243 | 1.90E-61 |
| ERIC2_c20680 | M24B | MER004931 | 2.00E-54 |
| ERIC2_c31110 | M24B | MER004931 | 9.30E-17 |
| ERIC2_c33050 | M24B | MER004931 | 4.40E-67 |
| ERIC2_c15870 | M29 | MER001285 | 1.10E-12 |
| ERIC2_c36840 | M29 | MER001287 | 2.20E-134 |
| ERIC2_c27270 | M32 | MER001186 | 2.30E-106 |
| ERIC2_c05310 | M34 | MER001345 | 2.00E-12 |
| ERIC2_c28760 | M34 | MER001345 | 6.00E-08 |
| ERIC2_c07350 | M38 | MER033184 | 8.00E-37 |
| ERIC2_c14070 | M38 | MER037714 | 2.20E-27 |
| ERIC2_c24410 | M38 | MER005767 | 1.00E-24 |
| ERIC2_c24410 | M38 | MER005767 | 8.00E-14 |
| ERIC2_c14100 | M41 | MER005496 | 1.10E-28 |
| ERIC2_c39570 | M41 | MER002602 | 3.50E-88 |
| ERIC2_c21290 | M50B | MER004469 | 1.00E-13 |
| ERIC2_c21290 | M50B | MER004480 | 3.40E-13 |
| ERIC2_c22910 | M50B | MER004466 | 8.90E-06 |
| ERIC2_c28220 | M50B | MER002454 | 7.00E-38 |
| ERIC2_c35500 | M50B | MER038874 | 1.40E-08 |
| ERIC2_c08430 | M78 | MER144929 | 2.50E-11 |
| ERIC2_c24210 | M78 | MER144929 | 1.60E-10 |
| ERIC2_c01340 | S01B | MER087818 | 8.30E-05 |
| ERIC2_c35160 | S01B | MER079071 | 2.30E-68 |
| ERIC2_c01640 | S01X | MER038350 | 1.20E-52 |
| ERIC2_c00670 | S08A | MER166197 | 3.00E-65 |
| ERIC2_c04380 | S08A | MER000310 | 2.30E-51 |
| ERIC2_c04390 | S08A | MER138281 | 8.90E-06 |
| ERIC2_c09000 | S08A | MER025143 | 9.30E-40 |

Table S2 continued

| Gene ID | MEROPS family [1] | MEROPS entry | E-value* |
|--------------|-------------------|--------------|-----------|
| ERIC2_c34730 | S08A | MER090388 | 8.00E-57 |
| ERIC2_c39030 | S08A | MER081072 | 1.50E-65 |
| ERIC2_c29670 | S09C | MER080940 | 2.90E-05 |
| ERIC2_c31490 | S09C | MER074338 | 5.90E-18 |
| ERIC2_c07680 | S09X | MER030913 | 2.60E-33 |
| ERIC2_c23880 | S09X | MER030913 | 2.80E-58 |
| ERIC2_c24270 | S09X | MER031565 | 1.90E-06 |
| ERIC2_c40780 | S09X | MER030913 | 4.70E-23 |
| ERIC2_c00130 | S11 | MER028985 | 4.00E-89 |
| ERIC2_c12800 | S11 | MER040501 | 2.30E-123 |
| ERIC2_c13110 | S11 | MER137663 | 2.60E-105 |
| ERIC2_c05200 | S12 | MER041576 | 1.10E-29 |
| ERIC2_c18130 | S12 | MER028999 | 4.60E-68 |
| ERIC2_c20000 | S12 | MER065584 | 1.00E-25 |
| ERIC2_c02560 | S14 | MER125203 | 2.30E-87 |
| ERIC2_c21060 | S14 | MER020357 | 1.10E-59 |
| ERIC2_c28620 | S14 | MER125203 | 1.50E-80 |
| ERIC2_c21870 | S16 | MER155619 | 1.60E-94 |
| ERIC2_c22120 | S16 | MER048375 | 7.90E-21 |
| ERIC2_c28570 | S16 | MER058049 | 1.70E-83 |
| ERIC2_c28580 | S16 | MER164590 | 1.70E-79 |
| ERIC2_c28580 | S16 | MER155619 | 1.60E-07 |
| ERIC2_c38790 | S16 | MER170752 | 6.40E-98 |
| ERIC2_c04500 | S24 | MER140304 | 7.60E-14 |
| ERIC2_c25960 | S24 | MER029010 | 9.70E-46 |
| ERIC2_c27180 | S24 | MER119211 | 2.00E-18 |
| ERIC2_c21930 | S26A | MER028421 | 7.00E-38 |
| ERIC2_c31810 | S26A | MER028421 | 1.50E-27 |
| ERIC2_c35880 | S26A | MER055807 | 1.10E-42 |
| ERIC2_c18550 | S33 | MER036050 | 8.50E-21 |
| ERIC2_c30770 | S33 | MER036066 | 5.30E-10 |
| ERIC2_c31750 | S33 | MER044641 | 1.20E-11 |
| ERIC2_c31750 | S33 | MER045883 | 2.70E-07 |
| ERIC2_c01330 | S41A | MER105195 | 2.10E-92 |
| ERIC2_c32750 | S55 | MER003459 | 4.70E-92 |
| ERIC2_c36941 | S58 | MER164925 | 3.50E-21 |
| ERIC2_c36950 | S58 | MER100239 | 8.40E-05 |
| ERIC2_c36950 | S58 | MER164925 | 4.90E-26 |
| ERIC2_c03570 | S66 | MER142981 | 4.20E-19 |
| ERIC2_c21760 | T01B | MER001626 | 1.40E-59 |
| ERIC2_c01230 | T05 | MER011829 | 4.80E-41 |
| ERIC2_c24590 | U04 | MER001293 | 2.20E-26 |
| ERIC2_c05010 | U32 | MER019303 | 7.20E-59 |
| ERIC2_c05010 | U32 | MER019303 | 1.80E-09 |
| ERIC2_c27620 | U32 | MER117225 | 1.20E-111 |

Table S2 continued

| Gene ID | MEROPS family [1] | MEROPS entry | E-value* |
|--------------|-------------------|--------------|----------|
| ERIC2_c27630 | U32 | MER117225 | 6.50E-45 |
| ERIC2_c39860 | U57 | MER120195 | 7.10E-57 |
| ERIC2_c21510 | U68 | MER123660 | 6.30E-60 |
| ERIC2_c21890 | U68 | MER187143 | 5.00E-05 |

*E values of e-04 or less were considered as significant

Reference

1. Rawlings ND, Morton FR (2008) The MEROPS batch Blast: a tool to detect peptidases and their non-peptidase homologues in a genome. Biochimie 90: 243-259.