

Table S3: Strain-specific genes in *L. monocytogenes* strain FSL J2-064 when compared to strain DPC6895.

| Start | End | Contig | F/R | Length (AA) | Locus Tag | Function |
|--------|--------|--------|-----|-------------|-------------------|--|
| 40924 | 40610 | 1 | R | 104 | <i>M637_00225</i> | Hypothetical Protein |
| 317694 | 317584 | 1 | R | 36 | <i>M637_01675</i> | Hypothetical Protein |
| 318242 | 317709 | 1 | R | 177 | <i>M637_10680</i> | MFS transporter |
| 459633 | 458926 | 1 | R | 235 | <i>M637_02355</i> | Hypothetical Protein |
| 584780 | 585394 | 1 | F | 204 | <i>M637_02955</i> | Hypothetical Protein |
| 585704 | 586057 | 1 | F | 117 | <i>M637_02960</i> | Hypothetical Protein |
| 586633 | 586740 | 1 | F | 35 | <i>M637_02970</i> | Hypothetical Protein |
| 592353 | 592715 | 1 | F | 120 | <i>M637_03005</i> | Hypothetical Protein |
| 593188 | 593532 | 1 | F | 114 | <i>M637_03010</i> | Hypothetical Protein |
| 650746 | 650988 | 1 | F | 80 | <i>M637_03310</i> | Hypothetical Protein |
| 651009 | 651452 | 1 | F | 147 | <i>M637_03315</i> | Hypothetical Protein |
| 651684 | 651920 | 1 | F | 78 | <i>M637_03320</i> | Hypothetical Protein (ADP-ribosyl cyclase / cyclic ADP-ribose hydrolase / CD38 domain) |
| 651926 | 652159 | 1 | F | 77 | <i>M637_03325</i> | Hypothetical Protein (Immunity protein 45 domain) |
| 652247 | 652594 | 1 | F | 115 | <i>M637_03330</i> | Hypothetical Protein (dihydroorotate dehydrogenase (quinone)) |
| 900391 | 899657 | 1 | R | 244 | <i>M637_04450</i> | Preprotein translocase subunit TatC |
| 900567 | 900388 | 1 | R | 59 | <i>M637_04455</i> | Preprotein translocase subunit TatA |
| 902444 | 903928 | 1 | F | 494 | <i>M637_04470</i> | FTR1 family iron permease |
| 903925 | 905085 | 1 | F | 386 | <i>M637_04475</i> | Hypothetical Protein (Iron transport domain) |
| 905103 | 906368 | 1 | F | 421 | <i>M637_04480</i> | Deferochelatase |
| 913938 | 914078 | 1 | F | 46 | <i>M637_04535</i> | Hypothetical Protein |
| 914117 | 914563 | 1 | F | 148 | <i>M637_04540</i> | Hypothetical Protein |
| 914655 | 914906 | 1 | F | 83 | <i>M637_04545</i> | Hypothetical Protein |
| 915000 | 915284 | 1 | F | 94 | <i>M637_04550</i> | Hypothetical Protein |
| 915521 | 915907 | 1 | F | 128 | <i>M637_04555</i> | Hypothetical Protein |
| 981302 | 984082 | 1 | F | 926 | <i>M637_04910</i> | Membrane / Phage Infection Protein |

| Start | End | Contig | F/R | Length (AA) | Locus Tag | Function |
|--------------|------------|---------------|------------|--------------------|-------------------|--|
| 984326 | 985813 | 1 | F | 495 | <i>M637_04915</i> | Transcriptional Regulator |
| 986087 | 987076 | 1 | F | 329 | <i>M637_04920</i> | Hypothetical Protein |
| 990079 | 990234 | 1 | F | 51 | <i>M637_04935</i> | Hypothetical Protein |
| 1003561 | 1005099 | 1 | F | 512 | <i>M637_04990</i> | Transcriptional Regulator |
| 1005363 | 1007444 | 1 | F | 693 | <i>M637_04995</i> | Type IV internalin |
| 1007580 | 1009649 | 1 | F | 689 | <i>M637_05000</i> | Type IV internalin |
| 1009785 | 1010012 | 1 | F | 75 | <i>M637_05005</i> | Hypothetical Protein |
| 1010109 | 1011542 | 1 | F | 477 | <i>M637_05010</i> | Type IV internalin |
| 1011608 | 1012081 | 1 | F | 157 | <i>M637_05015</i> | Hypothetical Protein |
| 1012101 | 1012586 | 1 | F | 161 | <i>M637_05020</i> | Hypothetical Protein |
| 1012614 | 1012919 | 1 | F | 101 | <i>M637_05025</i> | <i>lmo0463</i> homolog |
| 1019364 | 1021127 | 1 | F | 587 | <i>M637_05070</i> | Reverse Transcriptase |
| 1060772 | 1061959 | 1 | F | 395 | <i>M637_05265</i> | Hypothetical Protein |
| 1062044 | 1062973 | 1 | F | 309 | <i>M637_05270</i> | Integrase |
| 1064230 | 1063013 | 1 | R | 405 | <i>M637_05275</i> | Type I restriction endonuclease subunit S |
| 1147280 | 1145916 | 1 | R | 454 | <i>M637_05655</i> | Cell Wall Anchor Protein |
| 1349581 | 1350012 | 1 | F | 143 | <i>M637_06730</i> | Hypothetical Protein |
| 1350090 | 1350362 | 1 | F | 90 | <i>M637_06735</i> | Hypothetical Protein |
| 1633335 | 1635710 | 1 | F | 791 | <i>M637_08155</i> | ATP-dependent DNA helicase PcrA |
| 1635733 | 1637316 | 1 | F | 527 | <i>M637_08160</i> | Hypothetical Protein |
| 1637301 | 1638419 | 1 | F | 372 | <i>M637_08165</i> | Hypothetical Protein (UvrD domain) |
| 1638443 | 1639534 | 1 | F | 363 | <i>M637_08170</i> | Hypothetical Protein |
| 1640028 | 1640843 | 1 | F | 271 | <i>M637_08175</i> | Nucleotidyltransferase |
| 1640864 | 1641421 | 1 | F | 185 | <i>M637_08180</i> | Hypothetical Protein |
| 1641849 | 1641568 | 1 | R | 93 | <i>M637_08185</i> | Transcriptional Regulator |
| 1642748 | 1644145 | 1 | F | 465 | <i>M637_08200</i> | Hypothetical Protein (LXG domain containing) |
| 1646345 | 1646848 | 1 | F | 167 | <i>M637_08225</i> | Hypothetical Protein |
| 1646962 | 1647264 | 1 | F | 100 | <i>M637_08230</i> | Hypothetical Protein |

| Start | End | Contig | F/R | Length (AA) | Locus Tag | Function |
|--------------|------------|---------------|------------|--------------------|-------------------|--|
| 1647407 | 1647937 | 1 | F | 176 | <i>M637_08235</i> | Hypothetical Protein (Protein WWC2) |
| 1755467 | 1754313 | 1 | R | 384 | <i>M637_08830</i> | Integrase |
| 1756174 | 1755602 | 1 | R | 190 | <i>M637_08835</i> | Hypothetical Protein |
| 1756677 | 1756225 | 1 | R | 150 | <i>M637_08840</i> | Toxin |
| 1757017 | 1756694 | 1 | R | 107 | <i>M637_08845</i> | XRE family transcriptional regulator |
| 1757301 | 1757477 | 1 | F | 58 | <i>M637_08850</i> | Hypothetical Protein |
| 1757464 | 1757616 | 1 | F | 50 | <i>M637_08855</i> | Hypothetical Protein |
| 1757928 | 1757635 | 1 | R | 97 | <i>M637_08860</i> | Hypothetical Protein |
| 1757998 | 1758321 | 1 | F | 107 | <i>M637_08865</i> | Hypothetical Protein |
| 1758336 | 1758539 | 1 | F | 67 | <i>M637_08870</i> | XRE family transcriptional regulator |
| 1758541 | 1758783 | 1 | F | 80 | <i>M637_08875</i> | Hypothetical Protein |
| 1758786 | 1758971 | 1 | F | 61 | <i>M637_08880</i> | Hypothetical Protein |
| 1759074 | 1759196 | 1 | F | 40 | <i>M637_08885</i> | Hypothetical Protein |
| 1759206 | 1759358 | 1 | F | 50 | <i>M637_08890</i> | Hypothetical Protein |
| 1759495 | 1760208 | 1 | F | 237 | <i>M637_08895</i> | Hypothetical Protein |
| 1760219 | 1761163 | 1 | F | 314 | <i>M637_08900</i> | Integrase |
| 1761176 | 1761856 | 1 | F | 226 | <i>M637_08905</i> | Hypothetical Protein (Myb-like DNA-binding domain) |
| 1761853 | 1762422 | 1 | F | 189 | <i>M637_08910</i> | Phage Related Protein |
| 1762419 | 1762943 | 1 | F | 174 | <i>M637_08915</i> | Hypothetical Protein |
| 1762940 | 1763530 | 1 | F | 196 | <i>M637_08920</i> | Hypothetical Protein |
| 1763530 | 1763733 | 1 | F | 67 | <i>M637_08925</i> | Hypothetical Protein |
| 1763734 | 1763934 | 1 | F | 66 | <i>M637_08930</i> | Hypothetical Protein |
| 1763931 | 1764431 | 1 | F | 166 | <i>M637_08935</i> | Hypothetical Protein |
| 1765037 | 1764477 | 1 | R | 186 | <i>M637_08940</i> | Hypothetical Protein |
| 1765142 | 1765315 | 1 | F | 57 | <i>M637_08945</i> | Hypothetical Protein |
| 1765312 | 1765695 | 1 | F | 127 | <i>M637_08950</i> | Hypothetical Protein |
| 1766195 | 1766887 | 1 | F | 230 | <i>M637_08960</i> | DNA-binding Protein |
| 1766951 | 1768207 | 1 | F | 418 | <i>M637_08965</i> | Helicase |

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|--------------|------------|---------------|------------|--------------------|-------------------|---------------------------------|
| 1768232 | 1768717 | 1 | F | 161 | <i>M637_08970</i> | Hypothetical Protein |
| 1768740 | 1771082 | 1 | F | 780 | <i>M637_08975</i> | DNA Primase |
| 1771378 | 1771698 | 1 | F | 106 | <i>M637_08980</i> | Hypothetical Protein |
| 1771695 | 1771964 | 1 | F | 89 | <i>M637_08985</i> | Hypothetical Protein |
| 1771967 | 1772605 | 1 | F | 212 | <i>M637_08990</i> | Hypothetical Protein |
| 1772606 | 1773031 | 1 | F | 141 | <i>M637_08995</i> | Hypothetical Protein |
| 1773261 | 1774160 | 1 | F | 299 | <i>M637_09000</i> | Hypothetical Protein |
| 1774421 | 1774747 | 1 | F | 108 | <i>M637_09005</i> | Hypothetical Protein |
| 1774747 | 1775061 | 1 | F | 104 | <i>M637_09010</i> | alpha/beta hydrolase |
| 1775167 | 1775466 | 1 | F | 99 | <i>M637_09015</i> | Hypothetical Protein |
| 1775463 | 1777106 | 1 | F | 547 | <i>M637_09020</i> | Terminase |
| 1777505 | 1777116 | 1 | R | 129 | <i>M637_09025</i> | Hypothetical Protein |
| 1777556 | 1778686 | 1 | F | 376 | <i>M637_09030</i> | Portal Protein |
| 1778683 | 1779399 | 1 | F | 238 | <i>M637_09035</i> | Peptidase |
| 1779426 | 1780577 | 1 | F | 383 | <i>M637_09040</i> | Phage Capsid Protein |
| 1780584 | 1780754 | 1 | F | 56 | <i>M637_09045</i> | Hypothetical Protein |
| 1780764 | 1781063 | 1 | F | 99 | <i>M637_09050</i> | Hypothetical Protein |
| 1781047 | 1781412 | 1 | F | 121 | <i>M637_09055</i> | Phage head-tail adapter Protein |
| 1781409 | 1781810 | 1 | F | 133 | <i>M637_09060</i> | Hypothetical Protein |
| 1781807 | 1782190 | 1 | F | 127 | <i>M637_09065</i> | Hypothetical Protein |
| 1782211 | 1782798 | 1 | F | 195 | <i>M637_09070</i> | Phage tail protein |
| 1782869 | 1783201 | 1 | F | 110 | <i>M637_09075</i> | Hypothetical Protein |
| 1783252 | 1783413 | 1 | F | 53 | <i>M637_09080</i> | Hypothetical Protein |
| 1783417 | 1788336 | 1 | F | 1639 | <i>M637_09085</i> | Phage Tail Tape Measure Protein |
| 1788329 | 1789978 | 1 | F | 549 | <i>M637_09090</i> | Phage Tail Protein |
| 1789991 | 1792285 | 1 | F | 764 | <i>M637_09095</i> | Hypothetical Protein |
| 1793419 | 1793862 | 1 | F | 147 | <i>M637_09105</i> | Hypothetical Protein |
| 1793841 | 1794257 | 1 | F | 138 | <i>M637_09110</i> | Hypothetical Protein |

| Start | End | Contig | F/R | Length (AA) | Locus Tag | Function |
|--------------|------------|---------------|------------|--------------------|-------------------|---------------------------|
| 1794278 | 1794544 | 1 | F | 88 | <i>M637_09115</i> | Phage Holin |
| 1796444 | 1795995 | 1 | R | 149 | <i>M637_09130</i> | Hypothetical Protein |
| 1796821 | 1796450 | 1 | R | 123 | <i>M637_09135</i> | Hypothetical Protein |
| 1797083 | 1796850 | 1 | R | 77 | <i>M637_09140</i> | Hypothetical Protein |
| 1797617 | 1797778 | 1 | F | 53 | <i>M637_09150</i> | Hypothetical Protein |
| 2641107 | 2640802 | 1 | R | 101 | <i>M637_13220</i> | <i>lmo0463</i> homolog |
| 2641620 | 2641135 | 1 | R | 161 | <i>M637_13225</i> | Hypothetical Protein |
| 2642113 | 2641640 | 1 | R | 157 | <i>M637_13230</i> | Hypothetical Protein |
| 2644248 | 2642179 | 1 | R | 689 | <i>M637_13235</i> | Type IV internalin |
| 2646452 | 2644383 | 1 | R | 689 | <i>M637_13240</i> | Type IV internalin |
| 2648232 | 2646694 | 1 | R | 512 | <i>M637_13245</i> | Transcriptional Regulator |
| 2650242 | 2650397 | 1 | F | 51 | <i>M637_13260</i> | Hypothetical Protein |