

<i>Listeria monocytogenes</i> 4b F2365		
ORF #	Gene name	LRR mb / s
LMOF2365_0281	internalin C2	7 s
LMOF2365_0282	internalin D	8 s
LMOF2365_0283	internalin E	7 mb
LMOF2365_0289	leucine rich repeat domain protein	7 s
LMOF2365_0345	leucine rich repeat domain/ LPXTG-motif cell wall anchor domain protein	4 mb
LMOF2365_0347	cell wall surface anchor family protein	4 mb
LMOF2365_0349	cell wall surface anchor family protein	7 mb
LMOF2365_0350	cell wall surface anchor family protein	24 mb
LMOF2365_0374	internalin	9 mb
LMOF2365_0429	internalin	11 mb
LMOF2365_0471	internalin A	13 mb
LMOF2365_0472	internalin B, authentic point mutation	6 s
LMOF2365_0543	cell wall surface anchor family protein	3 mb
LMOF2365_0578	leucine rich repeat domain protein	4 s
LMOF2365_0639	LPXTG-motif cell wall anchor domain protein	2 mb
LMOF2365_0768	cell wall surface anchor family protein	3 mb
LMOF2365_0805	cell wall surface anchor family protein	3 mb
LMOF2365_1144	cell wall surface anchor family protein	8 mb
LMOF2365_1254	cell wall surface anchor family protein	6 mb
LMOF2365_1812	internalin family protein	4 s
LMOF2365_2370	cell wall surface anchor family protein	3 mb
LMOF2365_2416	leucine rich repeat domain protein	4 s
LMOF2365_2418	leucine rich repeat domain protein	2 s
LMOF2365_2443	leucine rich repeat domain protein	6 s
LMOF2365_2812	cell wall surface anchor family protein	8 mb

<i>Listeria monocytogenes</i> 1/2a EGD-e		
ORF #	Gene name	LRR mb / s
lmo0171	internalin A, putative	5 mb
lmo0262	internalin A	4 mb
lmo0263	internalin H	7 s
lmo0264	internalin A	7 mb
lmo0327	Leucine Rich Repeat domain protein	3 mb
lmo0331	internalin A, putative	4 mb
lmo0333	internalin a precursor	24 mb
lmo0409	internalin A, putative	11 mb
linA	internalin A	13 mb
linB	internalin B	6 s
lmo0514	LPXTG-motif cell wall anchor domain protein	3 mb
lmo0549	Leucine Rich Repeat domain protein	4 s
lmo0610	LPXTG-motif cell wall anchor domain protein	2 mb
lmo0732	LPXTG-motif cell wall anchor domain protein, putative	3 mb
lmo0801	internalin A, putative	8 mb
lmo1136	internalin A, putative	8 mb
lmo1289	Leucine Rich Repeat domain protein	3 mb
linC	internalin family protein	4 s
lmo2396	Leucine Rich Repeat domain protein	5 mb
lmo2445	Leucine Rich Repeat domain protein	3 s
lmo2470	orphan G protein-coupled receptor HG38, putative	6 s
lmo2821	Leucine Rich Repeat domain protein	8 s
lmo2026	Leucine Rich Repeat domain protein	4 mb
lmo2027	Leucine Rich Repeat domain protein	4 s

<i>Listeria monocytogenes</i> 4b H7858		
ORF #	Gene name	LRR mb / s
LMOh7858_0291	Leucine Rich Repeat domain protein	4 s
LMOh7858_0292	internalin C2	7 s
LMOh7858_0293	internalin D	8 s
LMOh7858_0295	internalin E	7 mb
LMOh7858_0301	leucine rich repeat domain protein	8 s
LMOh7858_0365	leucine rich repeat domain/ LPXTG-motif cell wall anchor domain protein	4 mb
LMOh7858_0367	cell wall surface anchor family protein	5 mb
LMOh7858_0369	cell wall surface anchor family protein	8 mb
LMOh7858_0370	cell wall surface anchor family protein	25 mb
LMOh7858_0394	internalin	9 mb
LMOh7858_0457	internalin	12 mb
LMOh7858_0498	internalin A	13 mb
LMOh7858_0499	internalin b precursor	6 s
LMOh7858_0574	cell wall surface anchor family protein	3 mb
LMOh7858_0607	leucine rich repeat domain protein	4 s
LMOh7858_0671	LPXTG-motif cell wall anchor domain protein	4 mb
LMOh7858_0798	cell wall surface anchor family protein	4 mb
LMOh7858_0843	cell wall surface anchor family protein	3 mb
LMOh7858_1209	cell wall surface anchor family protein	8 mb
LMOh7858_1320	internalin protein (LPXTG motif) homolog lin1204	8 mb
LMOh7858_2546	cell wall surface anchor family protein	6 mb
LMOh7858_2593	leucine rich repeat domain protein	3 s
LMOh7858_2595	leucine rich repeat domain protein	4 s
LMOh7858_2619	leucine rich repeat domain protein	6 s
LMOh7858_3085	cell wall surface anchor family protein	9 mb

<i>Listeria monocytogenes</i> 1/2a F6854		
ORF #	Gene name	LRR mb / s
LMOF6854_0180	internalin proteins, probable peptidoglycan bound protein (LPXTG motif)	7 mb
LMOF6854_0275	internalin C2	8 s
LMOF6854_0276	internalin D	8 s
LMOF6854_0277	internalin E	8 mb
LMOF6854_0284	leucine rich repeat domain protein	8 s
LMOF6854_0336	leucine rich repeat domain/ LPXTG-motif cell wall anchor domain protein	4 mb
LMOF6854_0367	cell wall surface anchor family protein	26 mb
LMOF6854_0469	internalin A precursor	13 mb
LMOF6854_0470	internalin A	6 s
LMOF6854_0547	cell wall surface anchor family protein	3 mb
LMOF6854_0590	leucine rich repeat domain protein	4 s
LMOF6854_0650	LPXTG-motif cell wall anchor domain protein	5 mb
LMOF6854_0778	cell wall surface anchor family protein	4 mb
LMOF6854_0833	cell wall surface anchor family protein	3 mb
LMOF6854_0846	internalin, peptidoglycan bound protein	8 mb
LMOF6854_1175	cell wall surface anchor family protein	8 mb
LMOF6854_1331	conserved hypothetical protein	3 mb
LMOF6854_1332	internalin like protein (LPXTG motif)	2 mb
LMOF6854_1845	internalin family protein	2 s
LMOF6854_2455	cell wall surface anchor family protein	4 mb
LMOF6854_2507	leucine rich repeat domain protein	4 s
LMOF6854_2531	leucine rich repeat domain protein	6 s
LMOF6854_2839	cell wall surface anchor family protein	9 s
LMOF6854_0338	Internalin A	5 mb
LMOF6854_0364	internalin protein (LPXTG motif)	12 mb
LMOF6854_0365	internalin, putative	5 mb

Supplemental Table 5. Internalins in the 4 *L. monocytogenes* genomes (strains F2365, H7858, F6854 and EGD-e).

Internalins were identified by searching for leucine-rich repeats (LRR). LRR motifs were identified using hidden Markov model (HMM) PF00560. The number of copies of LRR motifs that could be for each protein is indicated in the third column. Internalins are categorized as membrane proteins (MB) or secreted (S) depending on the presence of an LPXTG motif (detected by HMM TIGR01167) or a signal peptide (a Y-score lower limit of 0.3 was used as the cutoff). Strain-specific internalins are highlighted in yellow. Gene names for *L. monocytogenes* strains H7858, F6854 and EGD-e represent functional names assigned during the auto-annotation process.