

Supplementary Materials: A Structural Study on the *Listeria Monocytogenes* Internalin A - Human E-cadherin Interaction: A Molecular Tool to Investigate the Effects of Missense Mutations

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GTGAGAAAAA AACGATATGT ATGGTTGAAA AGTATACTAG TAGCAATATT AGTATTTGGC
AGCGGAGTAT GGATTAACAC GAGTAACGGG ACAAATGCTC AGGCAGCTAC AATTACACAA
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TTAGGAAAAA CGAATGTAAC AGACACGGTC TCACAAACAG ATCTAGACCA AGTTACAACG
CTTCAGGCGG ATAGATTAGG GATAAAATCT ATCGATGGAT TGGAATACTT GAACAATTTA
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GCTCAATTCA CGAAAAATCC TGTGGCACCA CCAACAACCTG GAGGGAACAC GCCGCCGACT
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TTAGGGTTAT TAGCAGTAGG AACTGCAATG GCTCTTACTA AAAAAAGCAC TGCTAGTAAA
TAG

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Figure S1. DNA sequence of the InlA variant under analysis (locus lmo0433, allele 13; according to the *Listeria* Sequence Typing Repository classification).

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>InlA13
GPLGSATITQDTPINQIFTDALAEKMKTVLGKTNVTDTVSQTDLQVTTLQADRLGIKSIDG[EYLNNTQI
NFSNNQLTDITPLK[DLTKLVDILMNNNIADITPLANLTNLTGLTLFNNQITDIDPLKNLTNLRLELSSNTI
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ELNENQLEDISPISNLKNLTLYLTLYFNNI SDISPVSSLTKLQRLFFYNNKVSDVSSLANLTNINWLSAGHNQI
SDLTPLANLTRITQLGLNDQAWTNAPVNYKANVSI PNTVKNVTGALIAPATISDGGSYTEPDITWNLPSYTNE
VSYTFSQPVTIGKGTTFSGT VTQPLKA
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Figure S2. Primary protein sequence of InlA13 (mutations in respect to the wt EGD-e protein are highlighted in red)