

Table S2 The potential virulence factors of *Vibrio parahaemolyticus* LC retrieved from VFDB database

VF classes	Virulence factors	Predicted genes	Gene loci	No. of genes
Adherence	MSHA type IV pilus	<i>mshA-mshN</i>	LC_02785--98	14
	Type IV pilus	<i>pilA--pilD, pilW</i>	LC_02586--89, LC_05018	5
Antiphagocytosis	Capsular polysaccharide	<i>cpsA--cpsJ</i>	LC_03830--39	10
		<i>wbfV, wbfY, wecA</i>	LC_00247, LC_00220, LC_00246	3
		<i>wza, wzb, wzc</i>	LC_04021, LC_04022, LC_04024	3
		<i>cheA, cheB, cheR, cheV, cheW, cheY, cheZ</i>	LC_02208--09, LC_00761--62, LC_02205, LC_02210-11	7
		<i>flaA, flaB, flaD, flaE, flaG, flal</i>	LC_02222, LC_02234, LC_02236--39,	6
Chemotaxis and motility	Flagella	<i>flgA--flgN</i>	LC_00758--60, LC_00763--67, LC_00769--73	13
		<i>flhA, flhB, flhF, flhG</i>	LC_02213--16	4
		<i>fliA, fliD--fliN, fliO--fliS</i>	LC_02212, LC_02217--30, LC_02235, LC_02237	17
		<i>flrA--flrC, motA-motB, motX--motY</i>	LC_02231--33, LC_00659--60, LC_02109, LC_02897	7
Iron uptake	Enterobactin receptors	<i>irgA, vctA</i>	LC_02673, LC_04796	2
	Heme receptors	<i>hutA, hutR</i>	LC_03355, LC_03893	2
	ABC transport	<i>vctC, vctD, vctG, vctP</i>	LC_04789-92	4
Quorum sensing	Autoinducer-2	<i>luxS</i>	LC_02600	1
	Cholerae autoinducer-1	<i>cqsA</i>	LC_04842	1
Secretion system	EPS type II secretion system	<i>epsC, epsE--epsN, gspD</i>	LC_00125--36	12
	T3SS1 secreted effectors	<i>vopQ, vopR, vopS</i>	LC_01666, LC_01668, LC_01670	3
	T3SS1	<i>sycN, tyeA, vcrD, vcrG, vcrH, vcrR, vcrV</i>	LC_01651--52, LC_01644--48	7
		<i>virF, virG, vopB, vopD, vopN, vxsC</i>	LC_01684--86, LC_01642--43, LC_01653	6
		<i>vscA--vscD, vscF--vscL, vscN, vscO--vscU, vscX--vscY</i>	LC_01680--83, LC_01672--78, LC_01654--61, LC_01649--50	21
Toxin	Thermolabile hemolysin	<i>tlh</i>	LC_04391	1
Colonization and Immune evasion	Capsule biosynthesis and transport	<i>kpsF</i>	LC_00245	1