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Supporting information for article:

**Structural insights into the substrate-binding cleft of AlyF
reveal the first long-chain alginate binding mode**

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Table S1 Bacterial strains, plasmids and primers used in this study

Mutant	Strain	plasmid	Primers(5'→3')
AlyF ^{D345A}	<i>E. coli</i> BL21(DE3)	pET32a	D345A-F:GAAGGTAACGCTGCCTTACGTGGTGGTATC D345A-R:GATACCACCACGTAAGGCAGCGTTACCTTC
AlyF ^{R336A}	<i>E. coli</i> BL21(DE3)	pET32a	R336A-F:GCTAATACTCGTGGCGCTGATGGTGTGATTGAAGG R336A-R:CCTTCAATCACACCATCAGCGCCACGAGTATTAGC
AlyF ^{R405A}	<i>E. coli</i> BL21(DE3)	pET32a	R405A- F:GGTAATCAAAGCCATGCCGTAAGCCTGTTTAATAACGC R405A- R:GCGTTATTAACAGGCTTACGGCATGGCTTTGATTACC
AlyF ^{R405E}	<i>E. coli</i> BL21(DE3)	pET32a	R405E- F:GGTAATCAAAGCCATGAGGTAAGCCTGTTTAATAACGC R405E-R:GCGTTATTAACAGGCTTACCTCATGGCTTTGATTACC

