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## WN BY ETLI TSS FFA LAXULVASVLELER G

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Escherichia coli	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERTG	34
Shigella sonnei	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERTG	34
Shigella dysenteriae	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERTG	34
Shigella boydii	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERTG	34
synthetic Escherichia	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERTG	34
Escherichia sp.	MNDQMFVETLIITSSFFAIAVVLTLSVLLIERTG	34
Escherichia marmotae	MNDQMLVETLIITSSFFAIAVVLVLSVLLIERTS	34
	VETLIITSSFFAIAAVLVLSVLLIERTG	28
Klebsiella pneumoniae		34
Shigella flexneri	MNDQMFVETLIITSSFFAIAVVLVLSVLLIERIG	
unclassified Escherichia	MNDQMFTETLIITSSFFAIAVVLVLSVLLERTS	34
Escherichia albertii	MNDQMFVETLIITSSFLTIAVVLVMSVLLLERTR	34
Citrobacter koseri	MNDHMLIETLIITSSFFAIAAVIVISVLVLERRF	34
Citrobacter enshiensis	MNDHMFIETLLITSSFFAIAVVIVISVLLLERSH	34
Citrobacter amalonaticus	MNDHMFIETLIITSSFFAIAAVLVISVLILERGS	34
Citrobacter farmeri	MNDHMFIETLIISSSFFAVAAVIVISVLILERGS	34
Escherichia fergusonii	MNDQMFVETLIITSSFFVVAAIIVLSVLILERGS	34
Citrobacter rodentium	MNDQMFIETLIIAFSFFTIAALLVLSVLILERSG	34
Enterobacter mori	MNDHMFVETLIISSSFFAIAVILVASVLFLERKG	34
Enterobacter pseudoroggenkampii	MNDHMFVETLII <mark>S</mark> SSFFAIA <mark>V</mark> ILVASVL <mark>F</mark> LER <mark>KG</mark>	34
Enterobacter roggenkampii	MNDHMFVETLII <mark>S</mark> SSFFAIA <mark>V</mark> ILVASVL <mark>F</mark> LER <mark>K</mark> G	34
Enterobacter cloacae	MNDHMFVETLII <mark>S</mark> SSFFAIA <mark>V</mark> ILVASVL <mark>F</mark> LER <mark>KG</mark>	34
Enterobacter dykesii	MNDHMFVETLII <mark>S</mark> SSFFAIA <mark>V</mark> ILVASVL <mark>F</mark> LER <mark>K</mark> G	34
Enterobacter asburiae	MND <mark>H</mark> MFVE <u>T</u> LII <mark>S</mark> SSFFAIA <mark>V</mark> ILVASVL <mark>F</mark> LER <mark>K</mark> G	34
Enterobacter quasiroggenkampii	MNDHMFVEMLIISSSFFAIAVILVASVLFLERKG	34
Enterobacter kobei	MNDHMFVETLII <mark>S</mark> SSFFAIA <mark>A</mark> ILVASVL <mark>L</mark> LERKG	34
Enterobacter sp.	MNDHMFVETLIISSSFFAIAAILVASVLLLERKG	34
Enterobacter sichuanensis	MNDHMFVET <mark>V</mark> II <mark>S</mark> SSFFAIA <mark>I</mark> ILVASVL <mark>L</mark> LER <mark>K</mark> G	34
Enterobacter bugandensis	MYDHMFVETLIISSSFFAIAVILVASVLFLERRG	34
Enterobacter ludwigii	MYDHMFVETLIISSSFFAVAIILVASVVFLEKKG	34
Huaxiibacter chinensis	MNDTMFVETLIISSSFLSTAVILIASVIFLEKYR	34
Enterobacter huaxiensis	MNDQMFVETLIISSTFLSIAVILVLSVLFLEKNG	34
Enterobacter chuandaensis	MNDRMFTETLIISSSFFAIAVILTASVLFLEKRG	34
Lelliottia amnigena	MHDQMFIETLIISSSFFTIAMIIVASVMFLEKHH	34
unclassified Lelliottia	MNDHMFVETLIISSTFFTIAMILVASVMFLERHD	34
Lelliottia sp.	MNDHMFVETLIISSSFFTIAIILVASVMFLEKGG	34
Enterobacter oligotrophicus	MNDQMFLETLIISSSFFTIAIILVASVLFLEKNG	34
Enterobacter wuhouensis	MNDHMFVETLIISTTFLTIAIILVASVLLLERNG	34
Enterobacter hormaechei	MNDPMFVETLIISSSYFIIAIILIASVLLLENG	33
Pseudenterobacter timonensis	MNDPMFVETLVITSLFFTIALILIASVLFLERTR	34
Leclercia pneumoniae	MMMNDPAFGDVIYISGTFFTIIFILVASVLWLEKHA	36
unclassified Leclercia	MNDPAFGDVIY <mark>ISGTFFTI</mark> IF <mark>ILVASVL</mark> WLEKHA	34
Enterobacter cancerogenus	MNDPAFVDMLCISGTFFTITAILVASVLFLERHG	34
Siccibacter turicensis	MHDPMTVEVIWMSSLFFAIVLTLVGSVLLLEKHG	34
Phytobacter palmae	<mark>MNDFMLTDGVIIASSFLAIMVVLV</mark> VSVL <mark>ALE</mark> KAGWP	36
Citrobacter sp.	MNDFVLTDGVIIASSFIAIMVVLVVSVLALEKAGWP	36
Phytobacter massiliensis	MNDPMFTEAVIIFSGLLAVMAILVISVLSLEKSGWR	36
unclassified Enterobacter	MNDPMLMETLIITSTFLAIIMVLVASVLILERSG	34
uncultured Enterobacter	MNDPMLIETLVITSTFLTIIAVLVVSVFILERTGWQ	36
Buttiauxella sp.	MNDPMLTETLIITSSFLAIIAVLVASVLILERMG	34
unclassified Cedecea	MGDPAFFDTICITAAFLGIASVLVLSVLYLERLG	34
Cedecea neteri	MGDPALFDTICITAAFFGIASVLVLSVLYLERLG	34
Cedecea sp.	MSDPALFDTMCITAVFLGIASVLVLSVLYLERRW	34
Pluralibacter sp.	MNDSMLIETMVIASVFIGVASILVASVLWLERMS	34
Trabulsiella odontotermitis	MNDPMWVETMIITVSFLAIMMTLVMSVLWLERLEGY	36
Yokenella regensburgei	MNDTMWVETVTITAVFLGIVMILVMSVLVLERMDG.	35
Scandinavium goeteborgense	.MMYDQQFVETLIIFLSFLTVSGILVASVLYLERRH	35
Scandinavium manionii	.MMYDQQFAETLIIFLSFLTVGGILVASVLYLERRH	35
unclassified Scandinavium	.MMHDQLFVETLTILLSFLSVGGILVASVLFLERHP	35
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 $\overline{X}$  non-conserved  $\overline{X}$   $\geq 50\%$  conserved