

Supplemental Material

Table S1 – List of oligonucleotides used in this study

Plasmid made	Sequence	Primer name
<i>ΔspoVAD</i>	AGCTATGACCGCGGCCGCTGTATCCATATGGACT CAAAGTGAAATAGGAGAGATGCTCAA	spoVAD_ndeI_L
	CTACTCATTACTATTACTACTGCATGTGCTGTTT TTTTTCCAATTCTTTATTTTTCATATTTTC	spoVAD_ndeI_R
	ATGAAAAATAAAGAATTGAAAAAGAACAGCAC ATGCAGTAGTAATAGTAAATGAG	spoVAD_KO_RHA_For
	TGCCAAGCTTGCATGTCTGCAGGCCTCGAGAAAA ATCATACTCTTCTTTTTTTATTGATT	spoVAD_xhoI_R
<i>ΔspoVAE</i>	AGCTATGACCGCGGCCGCTGTATCCATATGATAT CAACTGGAACCTATAGTGGTCCTAAG	spoVAE_ndeI_L
	TTTAAGCACCTAGAAACAGTTGAATAACTGATA	250_Downstream_VAE
	TATACTGACTGTGGTATAGAGATGTTTAACC	250_Upstream_VAE
	TGCCAAGCTTGCATGTCTGCAGGCCTCGAGGTA GTTTTAACTCTTGATTATAGAAATCGCAGG	spoVAE_xhoI_R
Cell interaction plasmids	ACTTTTTGAAGAAATTCTATAGCTCGATCGATACT TTAGAGAGGTGTTTAGTATG	5' SpoVAC LgBit Gibson
	ACCACCACCACCCTAGAACCTGCGGCCGCAAA CATCTTAAAAATATAATAAATAATTC	3' SpoVAC LgBit Gibson
	CTTGATCGTAGCGTTAACAGATCTGAGCTCATACT TTAGAGAGGTGTTTAGTATG	5' SpoVAC SmBit Gibson
	ACCACCACCACCCTAGAACCCCTCGAGAAAAAC ATCTTAAAAATATAATAAATAATTC	3' SpoVAC SmBit Gibson
	ACTTTTTGAAGAAATTCTATAGCTCGATCGAAAAT TAAAAAGGTGTGAAAATATG	5' SpoVAD LgBit Gibson
	ACCACCACCACCCTAGAACCTGCGGCCGCTC ATTTACTATTACTACTGCATG	3' SpoVAD LgBit Gibson
	CTTGATCGTAGCGTTAACAGATCTGAGCTCAAAA TAAAAAGGTGTGAAAATATG	5' SpoVAD SmBit Gibson
	ACCACCACCACCCTAGAACCCCTCGAGACTCA TTTACTATTACTACTGCATGTG	3' SpoVAD SmBit Gibson
	ACTTTTTGAAGAAATTCTATAGCTCGATCGAATGA GTAGGAAGTGATATAATATG	5' SpoVAE LgBit Gibson
	ACCACCACCACCCTAGAACCTGCGGCCGCTGG TTTTGCTTTTGGAG	3' SpoVAE LgBit Gibson
	CTTGATCGTAGCGTTAACAGATCTGAGCTCAATG AGTAGGAAGTGATATAATATG	5' SpoVAE SmBit Gibson
	ACCACCACCACCCTAGAACCCCTCGAGATGGT TTTTGCTTTTGGAG	3' SpoVAE SmBit Gibson
	AGACTTTTTGAAGAAATTCTATAGCTCGATCGCTG CAGTAAAGGAGAAAAATTTG	5' LgBit Gibson
	AAAGTTTTATTTAACTTATAGGATCCAGCCTAAC TGTTTATAGTTACTCTAAACAAC	3' LgBit Gibson
Spore interaction plasmids	ATTTTTTATCAGGAAACAGCTATGACCGCTAAGC ATGAAAGGAGAAAGTG	5' SpoVAC prm
	GTCTACATTTTTTTATAATTTTTATCCATACTAAA CACCTCTCTAAAGTATTATTTG	3' SpoVAC prm-SpoVAC
	ATAGGTTTTTTTTTAAATTAACAAATAACTTT TAGAGAGGTGTTTAG	5' SpoVAC RBS
	ACGTTGTAAAACGACGGCCAGTGCCAAGCTCTAA CTGTTTATAGTTACTCTAAACAAC	3' LgBit-pJS116

	TGTTCTTTTTCCAATTCTTTATTTTTTCACTAAA CACCTCTCTAAAGTATTATTTG	3' spoVAC pr. - spoVAD Gibson
	AACAAATAACTTTTAGAGAGGTGTTTAGTATGAA AAATAAAAGAATTGGAAAAAG	5' SpoVAC prm-SpoVAD
Mid-gene reporter insertion spore interaction plasmids	ACAGGTTATAGACTTTTTGAAGAAATTCTACTAGG TGCTAGTTCTGC	5' SpoVAC downstream (linker- SmBit)
	TTTCACACCTTTTTAATTTTTCGATCGAGCTAAAAC ATCTTAAAAATATAATAAATAATTC	3' SpoVAC downstream (linker- SmBit)
	ACCACCAGAACCACCACCACCCTAGAACCTTTA TCAAGACCTCCAACCTTTCATATAC	3' SpoVAC upstream (linker-SmBit)
	TTATATTTTTAAGATGTTTTAGCTCGATCGAAAATT AAAAAGGTGTGAAAATATG	5' SpoVAC-SpoVAD
	TTGTATATGAAAGTTGGAGGTCTTGATAAAGGTTT TAGTGGTGGTGGT	5' linker-SmBit (SpoVAC)
	TGTTATTGATGTTGCAGAACTAGCACCTAGTAGA ATTTCTTCAAAAAGTCTATAACCTG	3' linker-SmBit (SpoVAC)
	TCTATGTTGTTTAGAGTAACTATAAACAGTCTAGG TGCTAGTTCTGCAAC	5' linker-LgBit (SpoVAC)
	GTAACGACGGCCAGTGCCAAGCTGCCTAAAA CATCTTAAAAATATAATAAATAATTCC	3' Linker-LgBit (SpoVAC)
	AAACACCTCTCTAAAGTATCGATCGAGCTATAGA ATTTCTTCAAAAAGTCTATAACCTG	3' SmBit-SpoVAC RBS
	TGTTATTGATGTTGCAGAACTAGCACCTAGACTG TTTATAGTTACTCTAAACAACATAG	3' Linker-LgBit
	ATATCACTTCTACTCATTGATCGAGCTAAAACA TCTTAAAAATATAATAAATAATTCC	3' SpoVAC downstream (linker- SmBit) - SpoVAE
	TTATATTTTTAAGATGTTTTAGCTCGATCGAATGA GTAGGAAGTGATATAATATG	5' SpoVAC-SpoVAE
	AATAAATACTTTACATAGTCCATTAACATACTAA ACACCTCTCTAAAGTATTATTTG	3' spoVAC pr. - spoVAE Gibson
	AACAAATAACTTTTAGAGAGGTGTTTAGTATGTT AATGGACTATGTAAGAGTATT	5' spoVAC pr. - spoVAE Gibson
	TGTTCTTTTTCCAATTCTTTATTTTTTCACTAAA CACCTCTCTAAAGTATTATTTG	3' spoVAC pr. - spoVAD Gibson
	ATATCACTTCTACTCATTGATCGAGCTATAGAA TTTCTTCAAAAAGTCTATAACCTG	3' spoVAD-SmBit
	ACTTTTTGAAGAAATTCTATAGCTCGATCGAATGA GTAGGAAGTGATATAATATG	5' SpoVAE LgBit Gibson
	ACCACCAGAACCACCACCACCCTAGAACCATAT CCAAATCCTATTATAGGAAC	3' spoVAE-SpoVADSm
	TCTATGTTGTTTAGAGTAACTATAAACAGTTCCT TGCTACAGGAGTAATAAAATC	5' SpoVAE-plasmid LgBit Mid
	GTTGTAACGACGGCCAGTGCCAAGCTGCTTAT GGTTTTGCTTTTGGAGTAAATAC	3' SpoVAE-plasmid LgBit Mid
	GGTTCTAGTGGTGGTGGTCTGGTGGTGGT GGTTCTAGTGGTGGTTTTAC	5' SpoVAE LgBit Mid
	AATTGATTTTACTCCTGTAGCAAGTGAAGTGT TTATAGTTACTCTAAACAACATAG	3'SpoVAE LgBit Mid
	ACCACCAGAACCACCACCACCCTAGAACCATAT CCAAATCCTATTATAGGAAGT	3' SpoVAESm-SpoVADLg
	GCAACAGTTCCTATAATAGGATTTGGATATGGTTC TAGTGGTGGTGG	5' SpoVAE-SmBit
	TTGATTTTACTCCTGTAGCAAGTATAGAAATT TCTTCAAAAAGTCTATAACCTG	3' SpoVAE-SmBit
	ACAGGTTATAGACTTTTTGAAGAAATTCTACT TGCTACAGGAGTAAATAAAATC	5' SpoVAE Smbit Mid
ATTTTCACACCTTTTTAATTTTTCGATCGAGTTATG GTTTTGCTTTTGGAGTAAATAC	3' SpoVAE Smbit Mid	
TACTCCAAAAGCAAAACCATAACTCGATCGAAAAT TAAAAAGGTGTGAAAATATG	5' SpoVAE SmBit mid - SpoVAD LgBit	