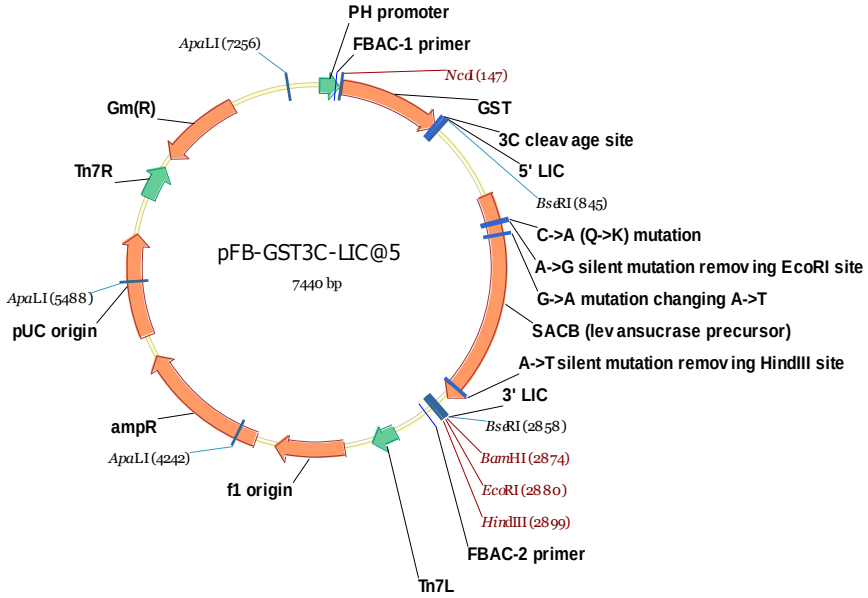
Vector information sheet

Dated: 27h January 2015

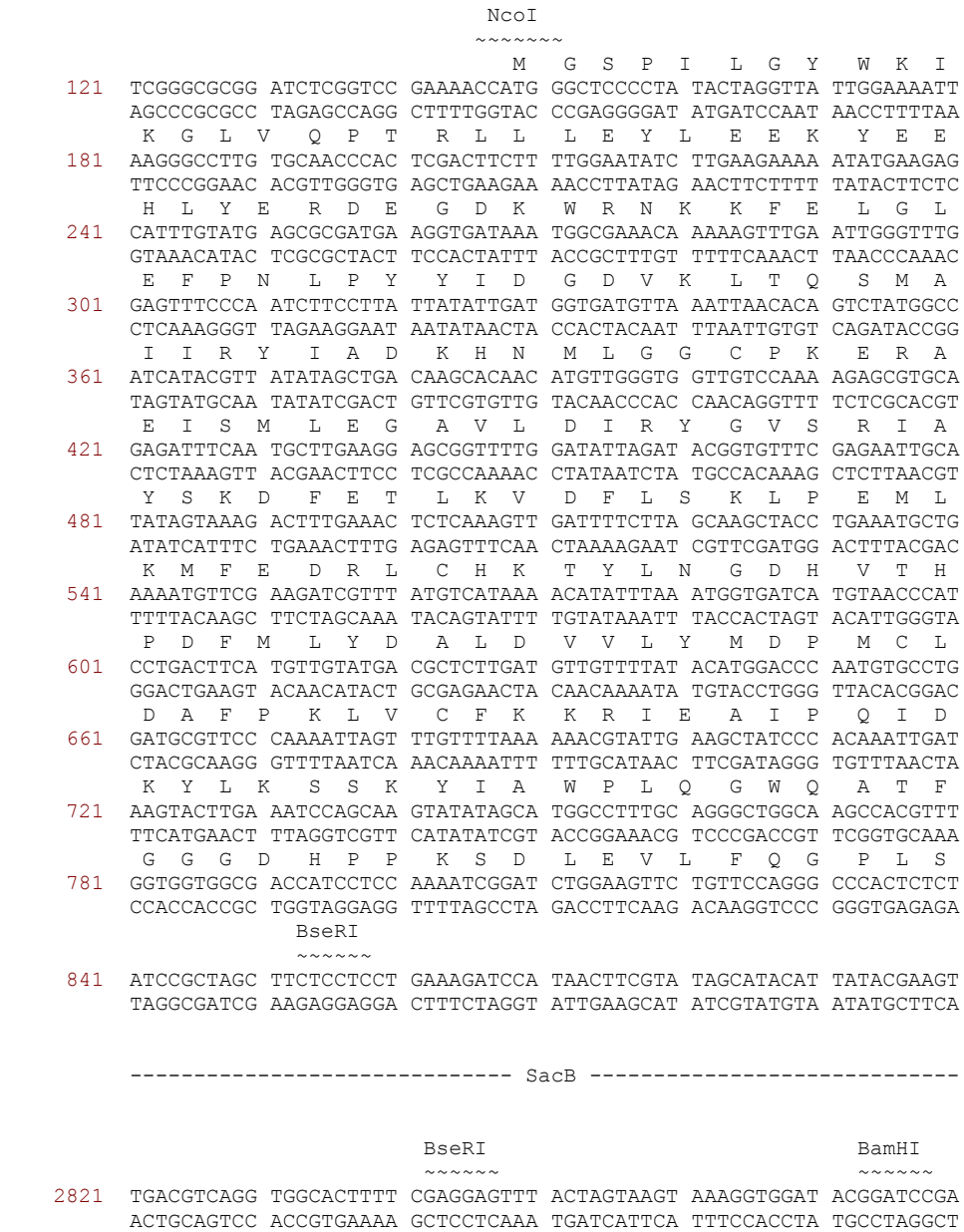
Vector Name	**pFB-GST3C-LIC**
Source	Claire Strain-Damerelll
Sequence accession/link	(SGC)

Description	Baculovirus transfer vector with GST tag in 232-aa N-terminal fusion peptide, with 3C protease cleavage site. Includes sites for LIC cloning, and a “stuffer” fragment that includes the SacB gene, allowing negative selection of transformed bacteria on 5% sucrose

Antibiotic resistance	Ampicillin, 100 μg/ml
Promoter	Polyhedrin
Cloning	LIC (vector treated with BseRI, then with T4 DNA polymerase in presence of dGTP)
Initiation codon	Supplied in PCR primer
N-terminal fusion – seq.	MGSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEF PNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYG VSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYD ALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATF GGGDHPPKSDLEVLFQ*GPLSM (* - 3C cleavage site)
N-terminal fusion – MW	26973.5 Da including Met
Termination codons	supplied in PCR primer
Protease cleavage	3C
Additional features	Tn7 sequences for in vivo recombination into bacmid DNA in DH10Bac (using InVitrogen’s Bac-to-bac system).
Preferred host	Initial transformation into any cloning strain, then transform purified plasmid into DH10Bac to generate recombinant bacmid DNA
5’ sequencing primer	FBAC1: TATTCATACCGTCCCACCA
3’ sequencing primer	FBAC2: GGGAGGTTTTTTAAAGCAAGTAAA



Cloning region in the vector:



Primers for LIC cloning:

Upstream: add CCCACTCTCTATG to the 5’ end (ATG in-frame with the desired coding sequence).

Downstream: add TATCCACCTTTACTG to 5’ end of downstream primer; add termination codon, if necessary.