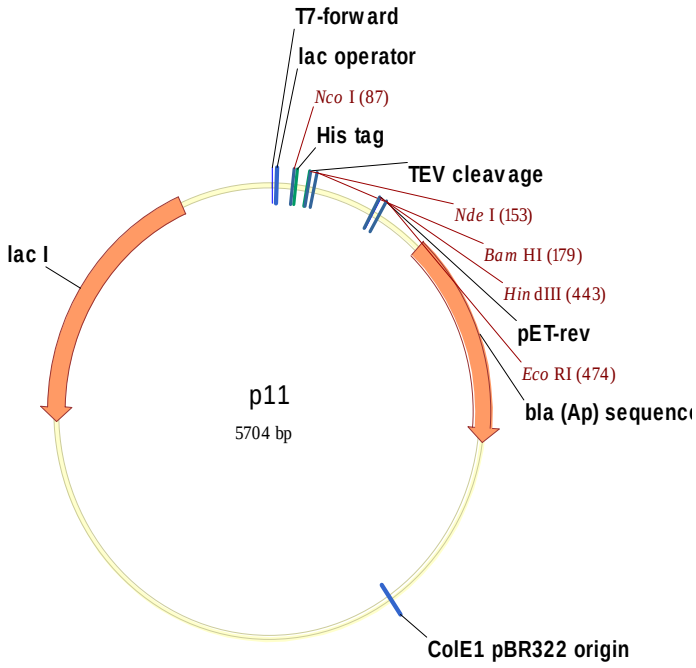
Vector information sheet.

Vector Name	**p11**
Source	Sujata Sharma, Toronto SGC
Sequence accession/link	(SGC)

Description	pET expression vector with His_6 tag in 22-aa N-terminal fusion peptide, with TEV protease cleavage site.

Antibiotic resistance	amp
Promoter	T7 - lacO
Cloning	In-frame NdeI – BamHI.
Initiation codon	In vector
N-terminal fusion – seq.	MGSSHHHHHHSSGRENLYFQ*GH (* - TEV cleavage site)
N-terminal fusion – MW	2693.07 Da (including met). TEV cleavage removes 2367.65 Da.
Termination codons	In vector, after BamHI (in frame: GGA TCC TAA; adds gly-ser to the C-terminus) (Termination codon may be supplied in the insert)
C-terminal fusion – seq.	GS
C-terminal fusion – MW	144.14 Da
Protease cleavage	TEV
Additional features	
Preferred host	DE3 hosts: BL21, Rosetta, etc. MUST express T7 RNA polymerase.
5’ sequencing primer	T7 promoter: TAATACGACTCACTATAGGG
3’ sequencing primer	PET-rev. ATGTTTGACAGCTTATCATCGA **NOTE: standard T7 terminator primer does not work!!!**



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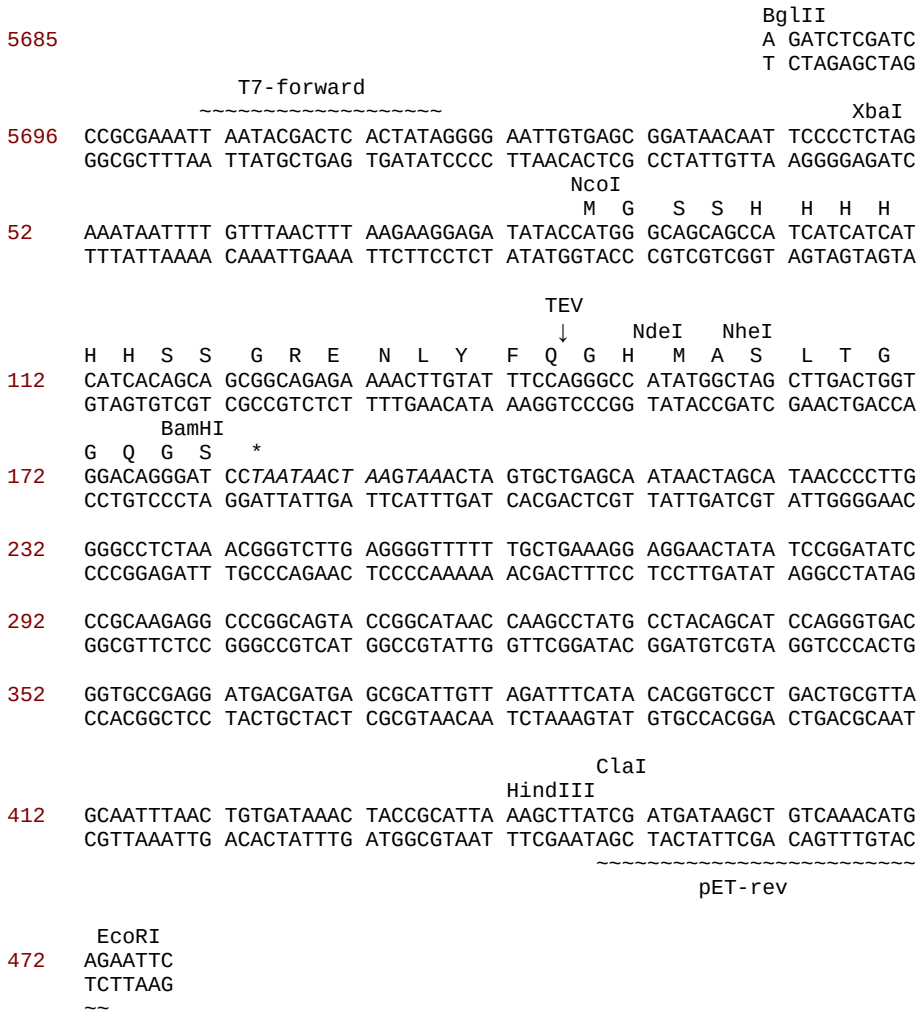
Polylinker region



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