

BioBrick standard Prefix for coding sequences (**EcoRI**, NotI, **XbaI**, part in gray):

gaattccgcggccgct**tctag**ATG...

BioBrick standard Prefix for coding sequences (part in gray, **PstI**, NotI, **SpeI**):

...AC**tactagtagcggccgctgcag**

results after an SpeI/Xba combination in:

...AC**tactagag**CA...

Freiburg standard FusionPrefix (**EcoRI**, NotI, **XbaI**, **NgoMIV**, part in gray; original BioBrick prefix for coding sequences underlined; start codon in *italic*):

gaattccgcggccgct**tctaga***atg*gccggcCA...

Adapted Freiburg standard FusionPrefix with ribosome binding site (**EcoRI**, NotI, **XbaI**, **RBS**, **NgoMIV**, part in gray; original BioBrick prefix for coding sequences underlined; start codon in *italic*):

gaattccgcggccgct**tctaga**taaggaggaaactact*atg*gccggcCA...

Freiburg standard FusionSuffix [not changed](part in gray, **AgeI**, **SpeI**, NotI, **PstI**; original BioBrick suffix underlined; stop codons in *italic*):

...ACaccggt**taatactagtagcggccgctgcag**

Fusion part: cut N-terminal part with NgoMIV and C-terminal part with AgeI

**EcoRI**      NotI      **XbaI**      **RBS**                      **NgoMIV**      N-terminal part  
gaattccgcggccgct**tctaga**taaggaggaaactact*atg*gccggcCA.NNNNNN.AC

NgoMIV-

AgeI scar      C-terminal part      **AgeI**              **SpeI**      NotI      **PstI**

accggcCA.NNNNNNNNNN...ACaccggt**taatactagtagcggccgctgcag**