

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**):

...**ACtactagtagcggccgctgcag**

results after an SpeI/Xba combination in:

...**ACtactagagCA**...

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

gaattccgcggccgct**tctag***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***t*aaggaggaaactact**atg**gccggcCA...

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

...ACaccggt**taatactagtag**cggccgctgcag

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

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

NgoMIV-

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

accggcCA.NNNNNNNNNNNN..ACaccggt**taatactagtag**cggccgctgcag