3' Site Before 5' Site on Vector
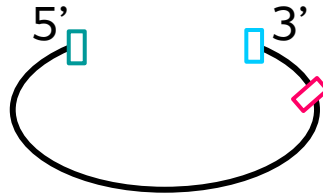
Parent Insert   5' site BglII   3' site BamHI

Parent Vector

☐ BamHI

☐ BglII

☐ EcoRI

OpenFreezer uses the restriction sites designated on the insert as ligation points in the vector. If the 3' site is found in the vector before the 5' site, OpenFreezer cannot automatically generate the sequence as shown above for this parent vector and insert. User must select different parents, different sites, reverse complement the sites or if possible, create a hybrid site.
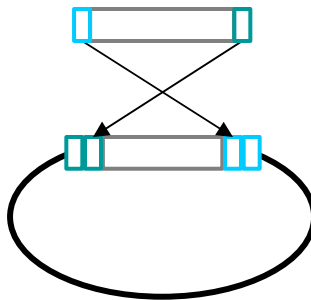
Choose Different Sites

Reverse Complement

Create Hybrid Sites
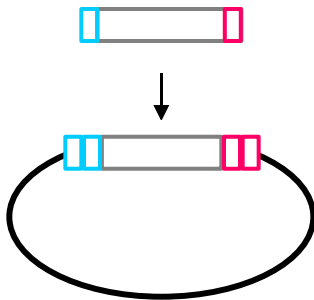
Customize Sites
5' Vector and Insert – BamHI
3' Vector and Insert - EcoRI

Customize Sites
5' Vector and Insert – BamHI
3' Vector and Insert - BglII
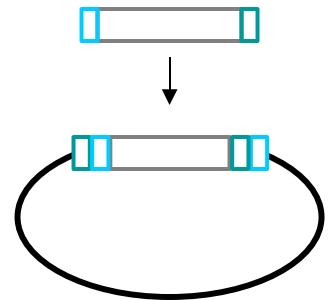
Customize Sites
5' Vector – BamHI, 5' Insert - BglII
3' Vector - BglII, 3' Insert - BamHI