

"Gene Search Vector"



+



Allele 2



Allele 1

Integration

Promoter "On"
+ligand



Antisense



Antisense
Knock Down
Of Allele 2

"Homologous knockout"



Sense



Overexpression
Of Sense

Over expression of a partial gene
Dominant Negative effect
Degradation of multimer complex



Over expression
Of the entire gene



Promoter "Off"
No ligand



Phenotype Reversal