

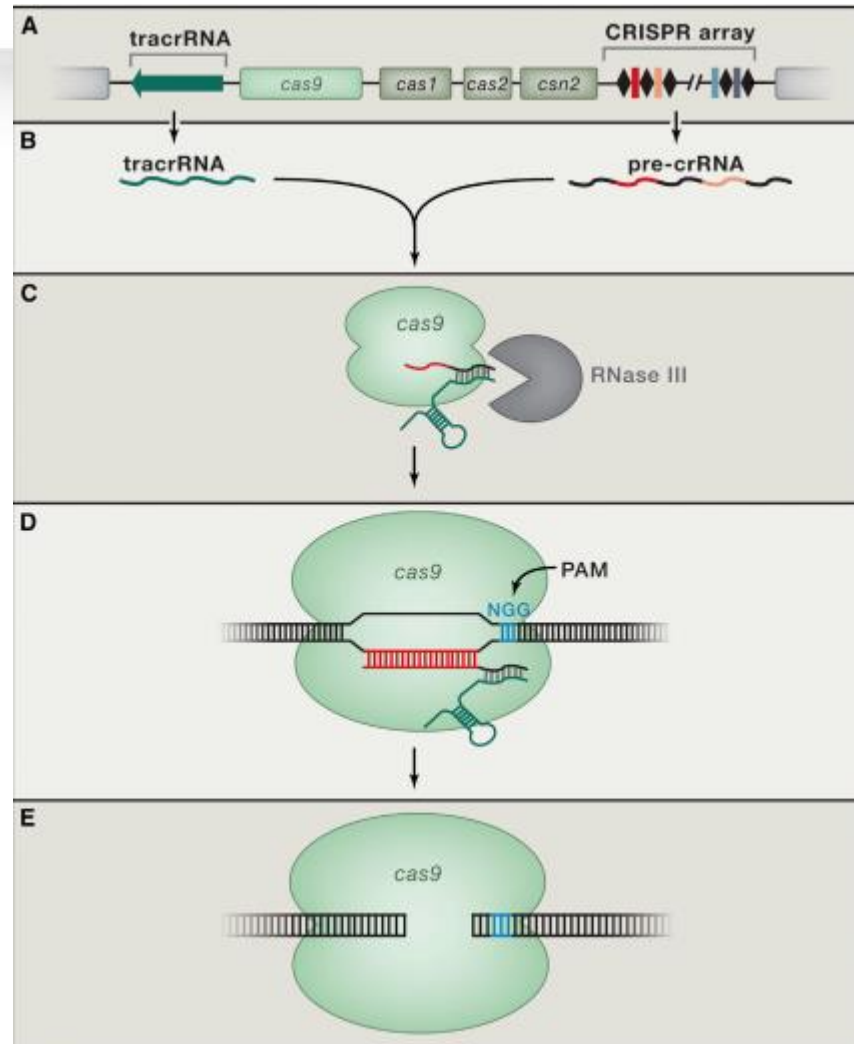


CRISPR/Cas9

Clustered Regularly Interspaced
Short Palindromic Repeats

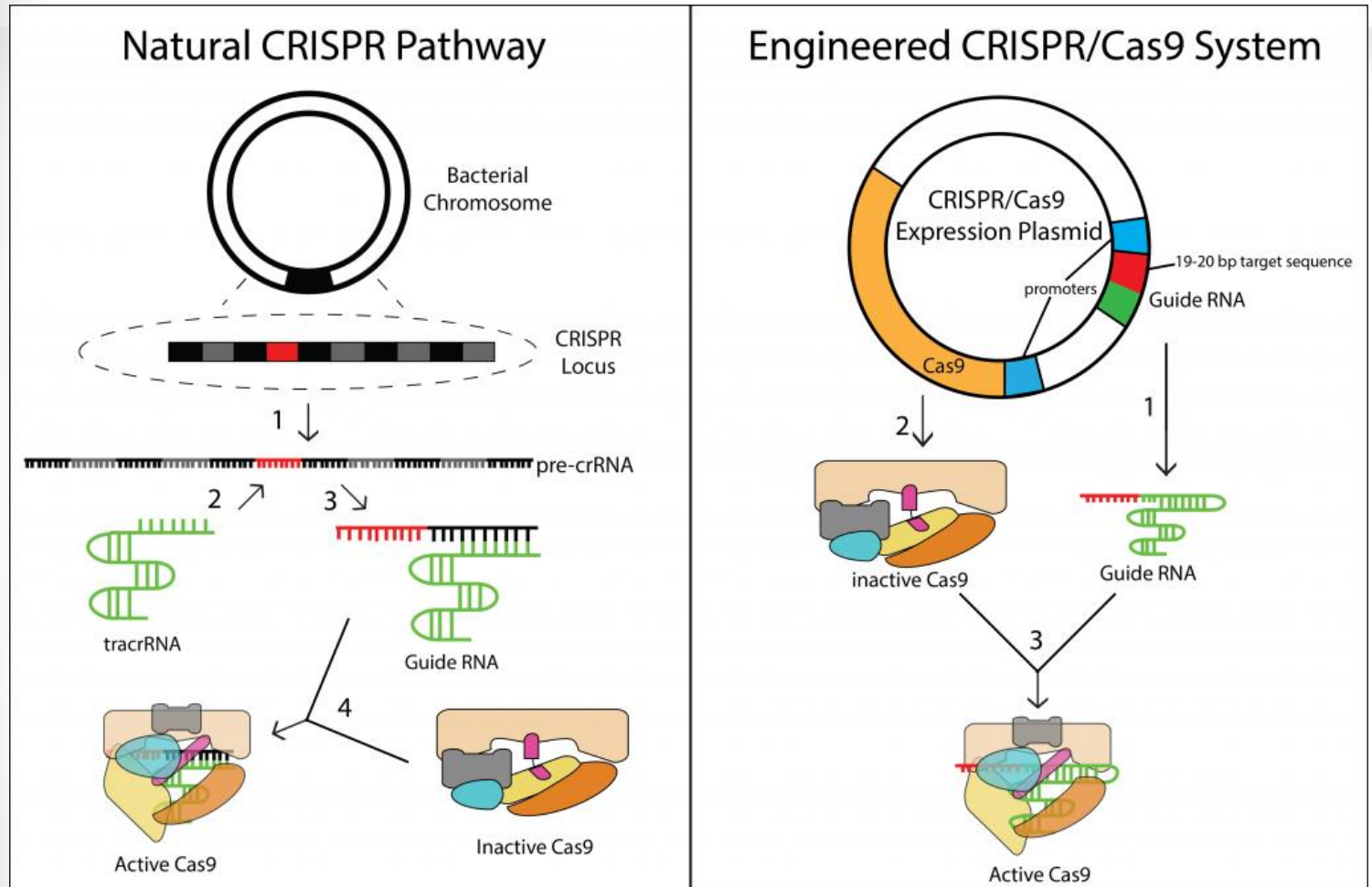
CRISPR Associated Protein 9

Adaptive immune system of prokaryotes

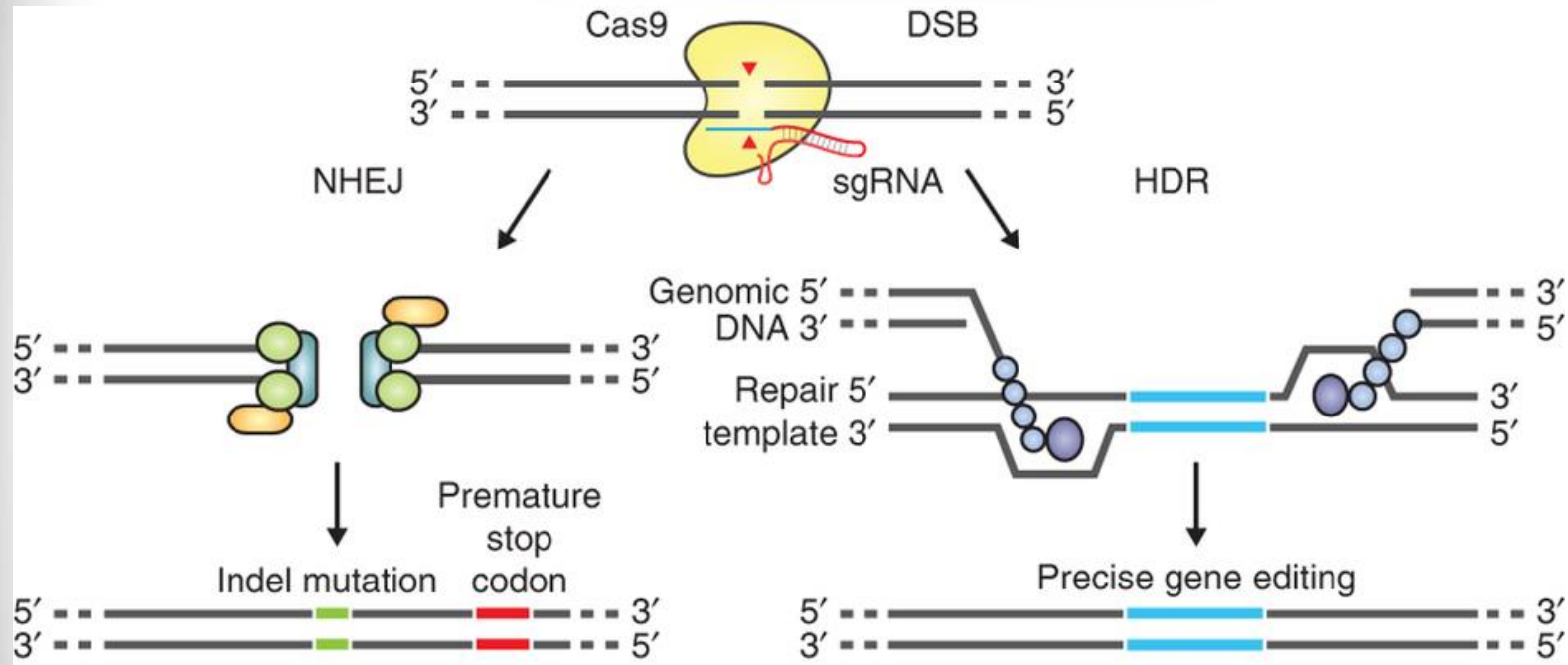


Lander, E. Cell. (2016)

CRISPR/Cas9 technique



DSB repair pathways



Ran, F.A. et al. Nature Protocols. (2013)

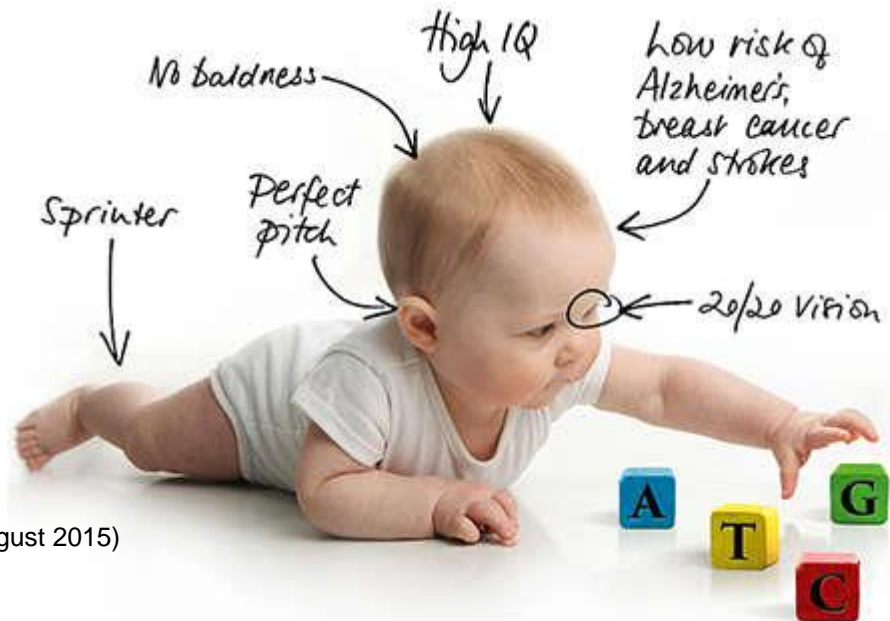
Applications



Adapted from Mali, P. et al. Nature. (2013)

The significance of CRISPR

- Research
- Potential for Biomedicine
- Contender for a Nobel Prize



Economist (August 2015)