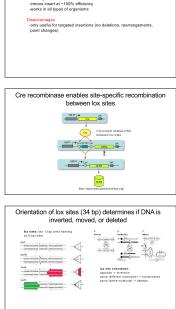


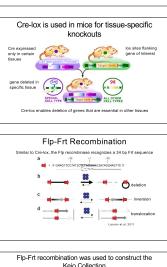
Targeted genome editing (part 1: prokaryotes)

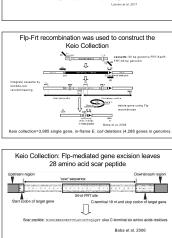
Andrew Tolonen atolonen "at" genoscope.cns.fr @andrew_tolonen http://www.tolonenlab.org

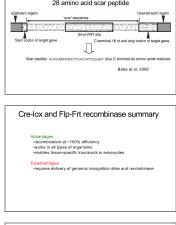
We talked about ways to assemble DNA building blocks
Cleeling with restriction enzymes
- Traditional cloning
- Blobricks (ecoRl, pst. sbat. spet)
- Golden Gale (tipe 18 oran;mes)

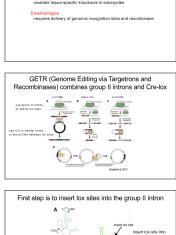


Group II introns









GETR strategy

Gene deletion
1 flank genes to delete with los ables in among plasmid.
3 Cre deletes genes
3 Cre deletes genes

Gene insertion
1 flank genes to delete with los ables in same orientation.
3 Cre deletes genes

Gene insertion
1 flank genes to delete with los ables in same orientation.
3 Cre deletes genes

Gene insertion
1 insert los sibles into non-servating genetic mixible los ables.
3 Cre accombines gene for insertion and los sibles in genome.

Gene deletion

1 flank genes to delete with
It is alles in same orientation
3 or deletes genes
3 Ore deletes genes

3 Cre deletes genes

GETR summary

Advantages
-combines methods that work in many types of organisms.
-qualize insertion generation of the combines of the