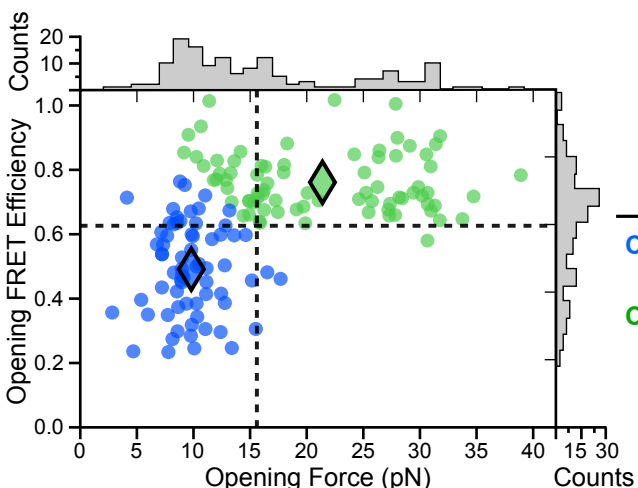
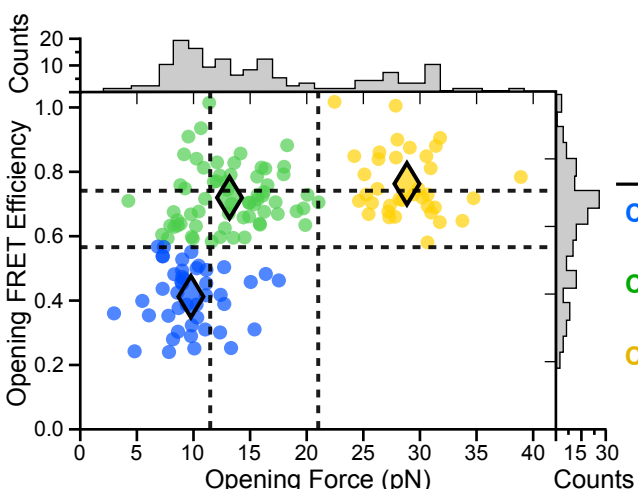


A



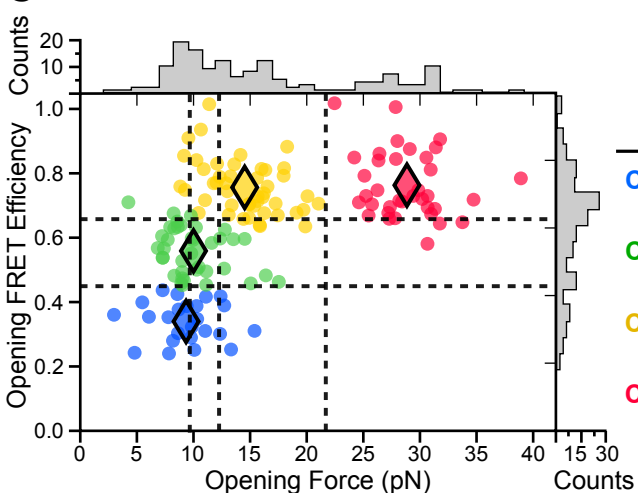
	Opening FRET ( $\mu \pm \text{SEM}$ )	FRET Threshold	Opening Force (pN) ( $\mu \pm \text{SEM}$ )	Force Threshold (pN)	n
<b>C1</b>	$0.41 \pm 0.01$	0.59	$9.77 \pm 0.88$	11.5	67
<b>C2</b>	$0.76 \pm 0.02$		$13.2 \pm 0.29$		78

B



	Opening FRET ( $\mu \pm \text{SEM}$ )	FRET Threshold	Opening Force (pN) ( $\mu \pm \text{SEM}$ )	Force Threshold (pN)	n
<b>C1</b>	$0.41 \pm 0.01$	0.57	$9.77 \pm 0.44$	11.5	44
<b>C2</b>	$0.72 \pm 0.01$		$13.2 \pm 0.41$		65
<b>C3</b>	$0.76 \pm 0.02$	0.74	$28.8 \pm 0.54$	21.0	36

C



	Opening FRET ( $\mu \pm \text{SEM}$ )	FRET Threshold	Opening Force (pN) ( $\mu \pm \text{SEM}$ )	Force Threshold (pN)	n
<b>C1</b>	$0.41 \pm 0.01$	0.49	$9.77 \pm 0.44$	11.5	24
<b>C2</b>	$0.57 \pm 0.01$		$13.2 \pm 0.57$		38
<b>C3</b>	$0.76 \pm 0.01$	0.76	$14.5 \pm 0.46$	21.7	47
<b>C4</b>	$0.76 \pm 0.02$		$28.8 \pm 0.54$		36