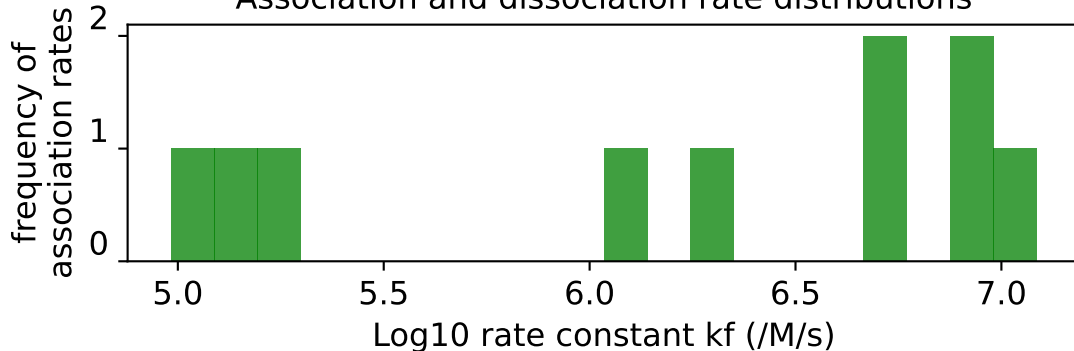


Association and dissociation rate distributions

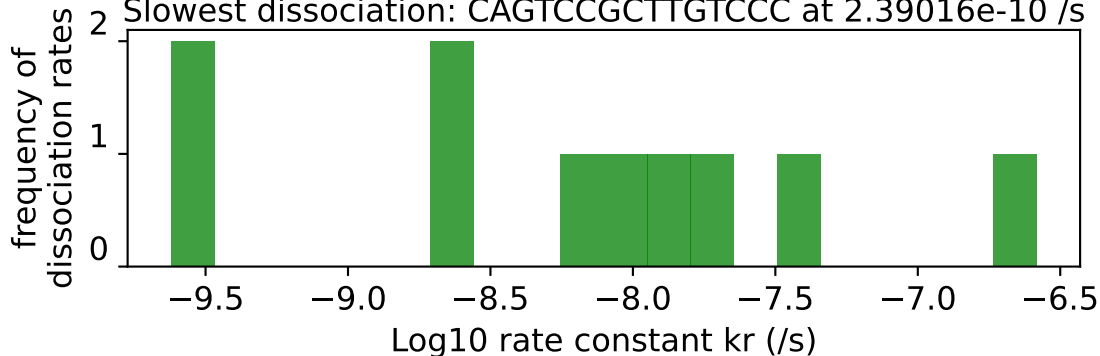


Fastest association: GATCCCCGCACATGA at 1.21895×10^7 /M/s

Slowest association: CAGGTTGGAAGAACA at 96200.1 /M/s

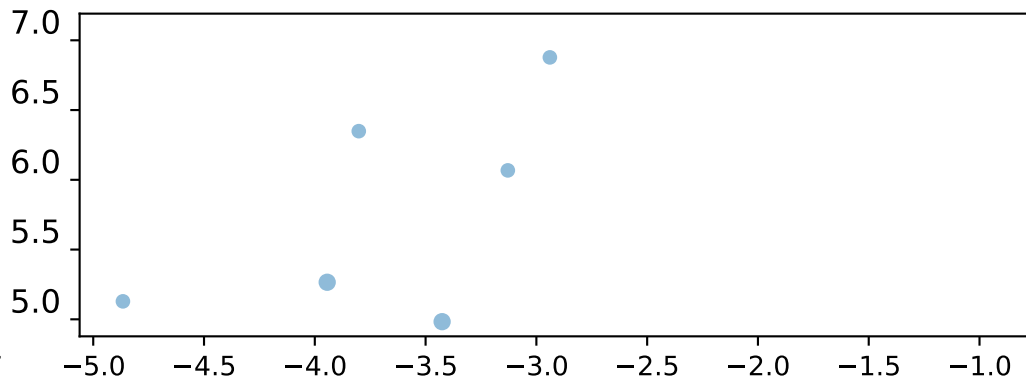
Fastest dissociation: AAGCACAAGTGTACA at 2.61665×10^{-7} /s

Slowest dissociation: CAGTCCGCTTGTCCC at 2.39016×10^{-10} /s

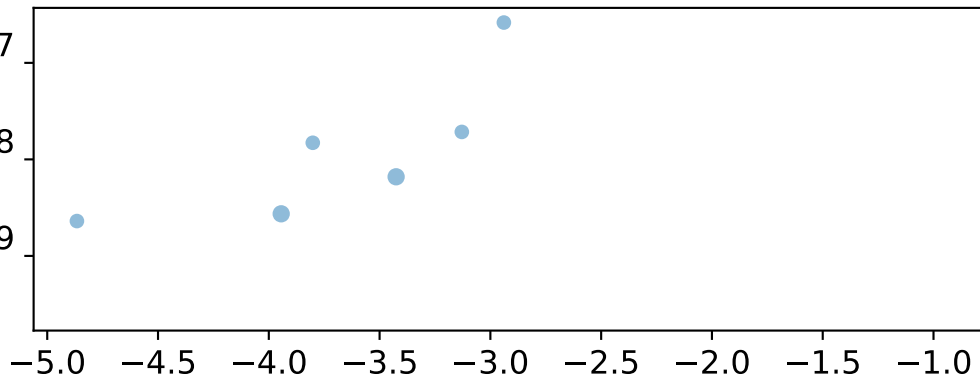


Log10 rate constant kf (/M/s)

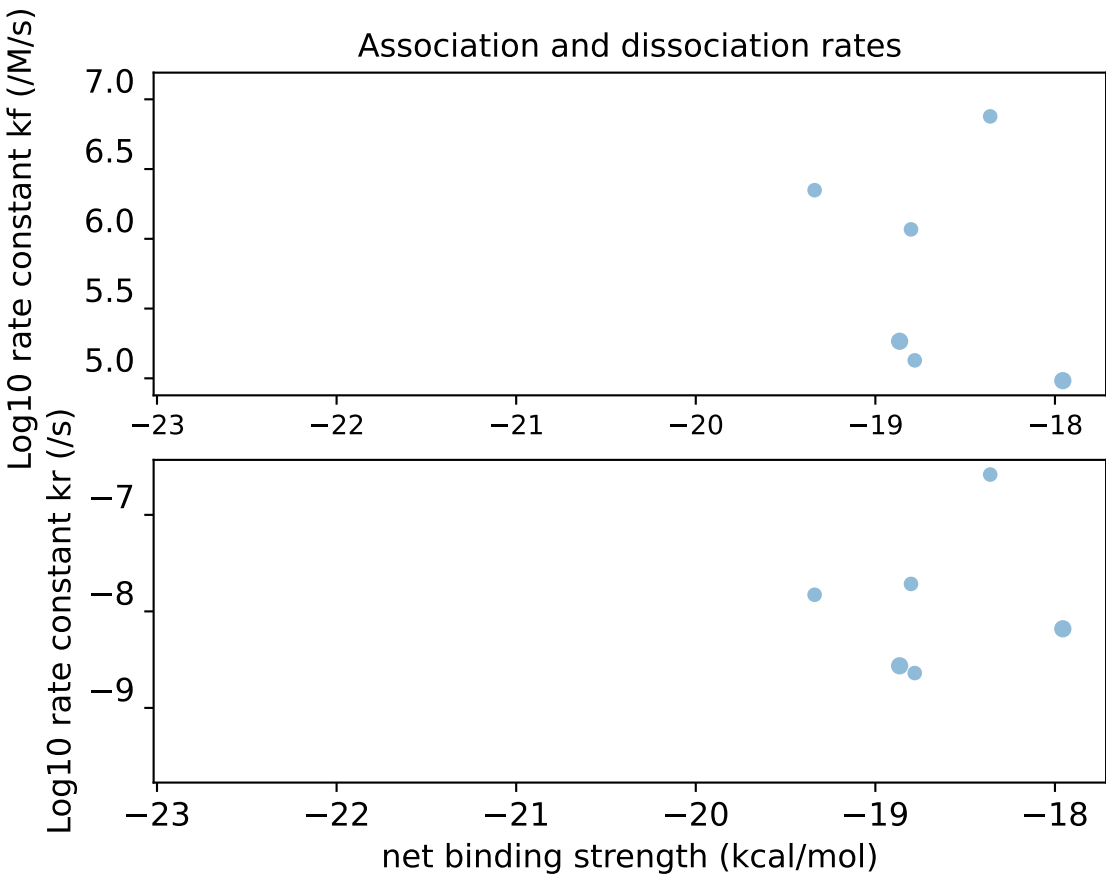
Association and dissociation rates

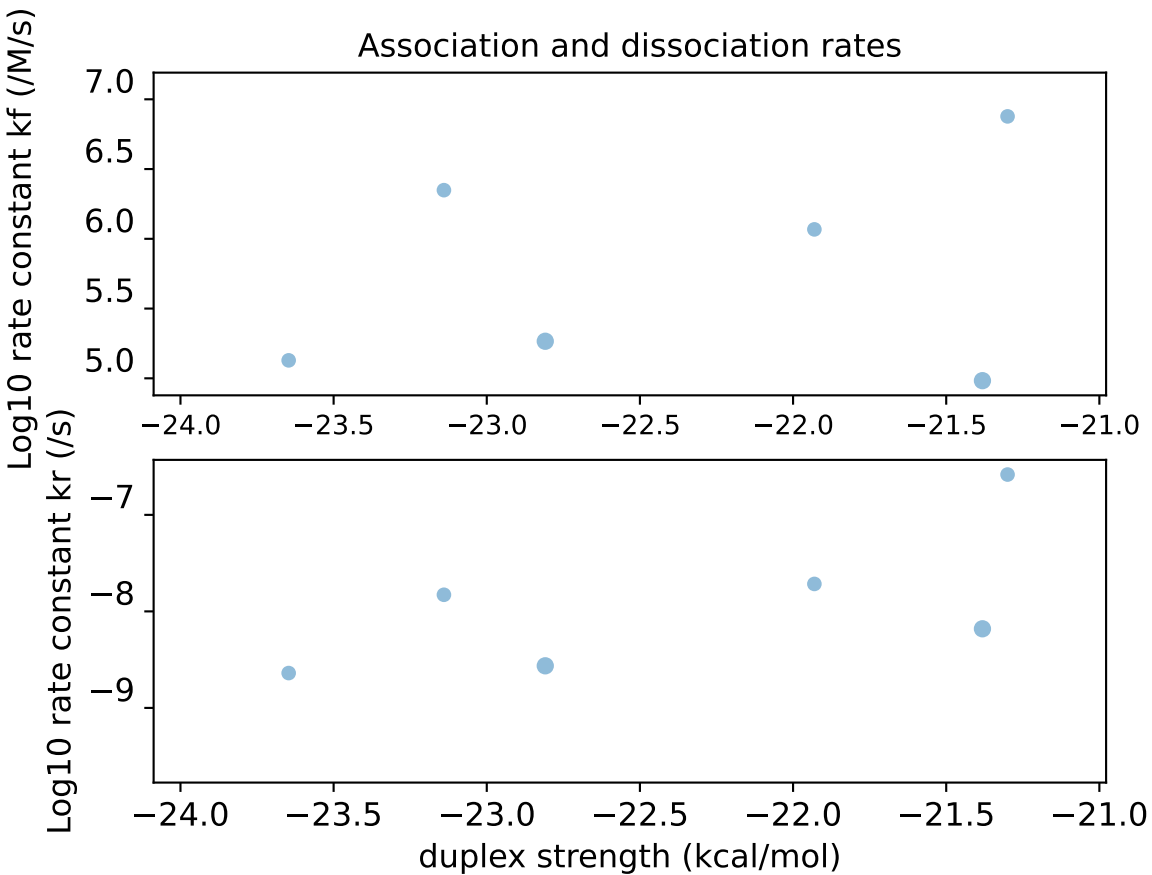


Log10 rate constant kr (/s)



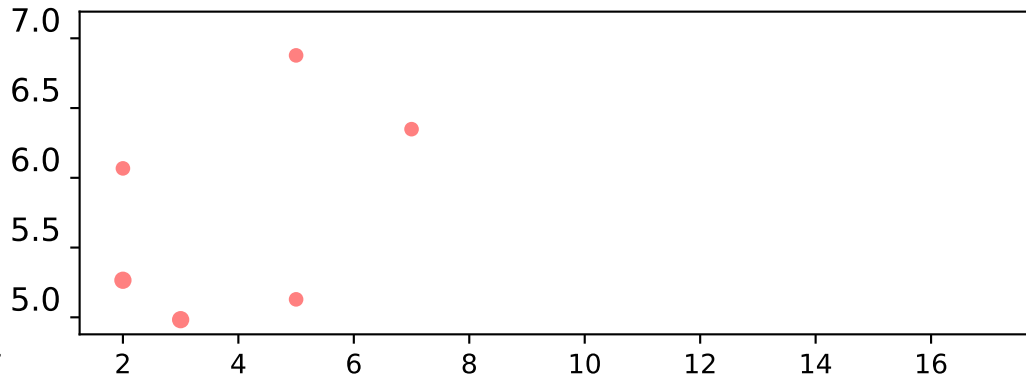
single-strand secondary structure (kcal/mol)



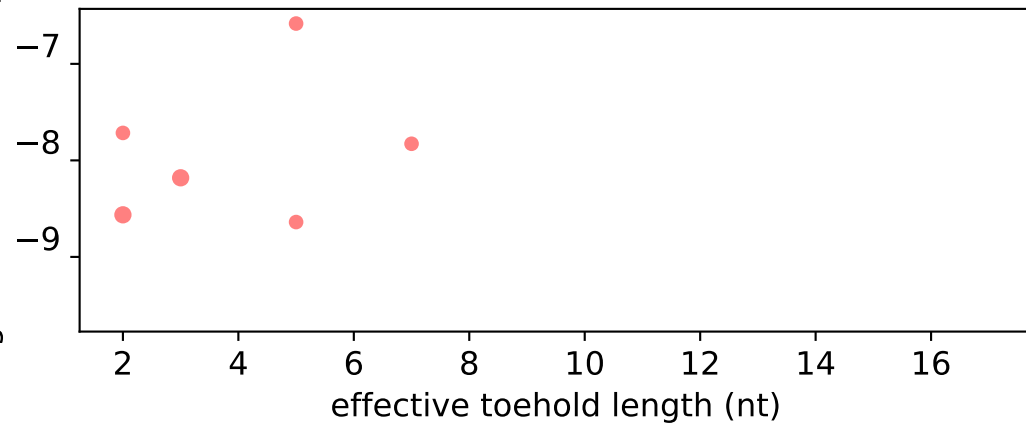


Log10 rate constant kf (/M/s)

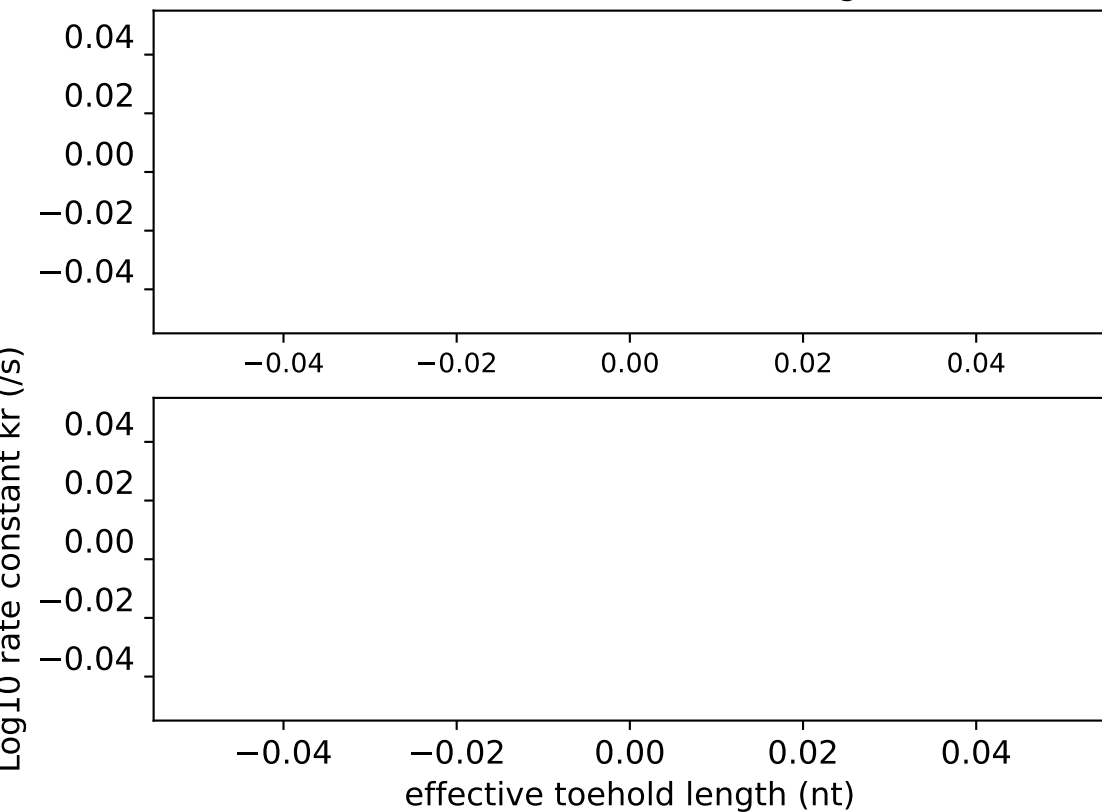
Association and dissociation rates (double-toeholds are blue)



Log10 rate constant kr (/s)

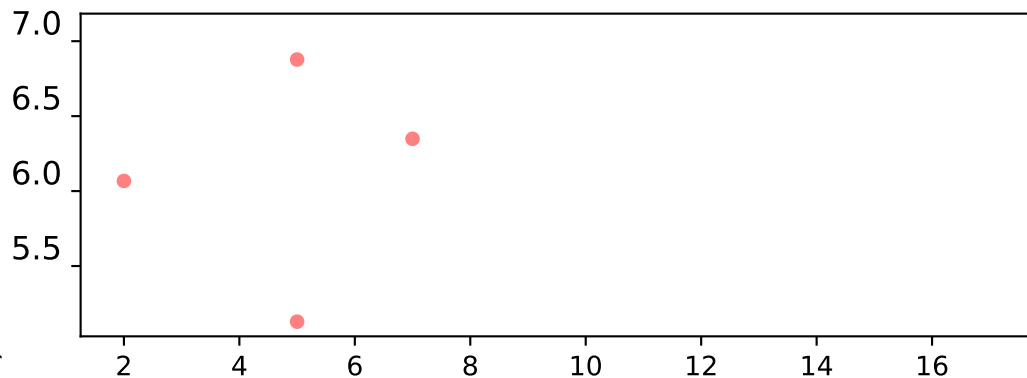


Association and dissociation rates for long-stem strands

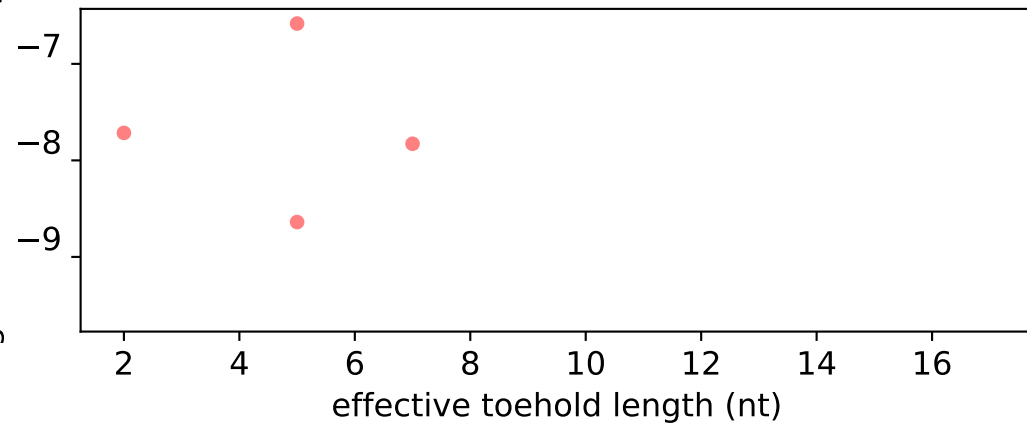


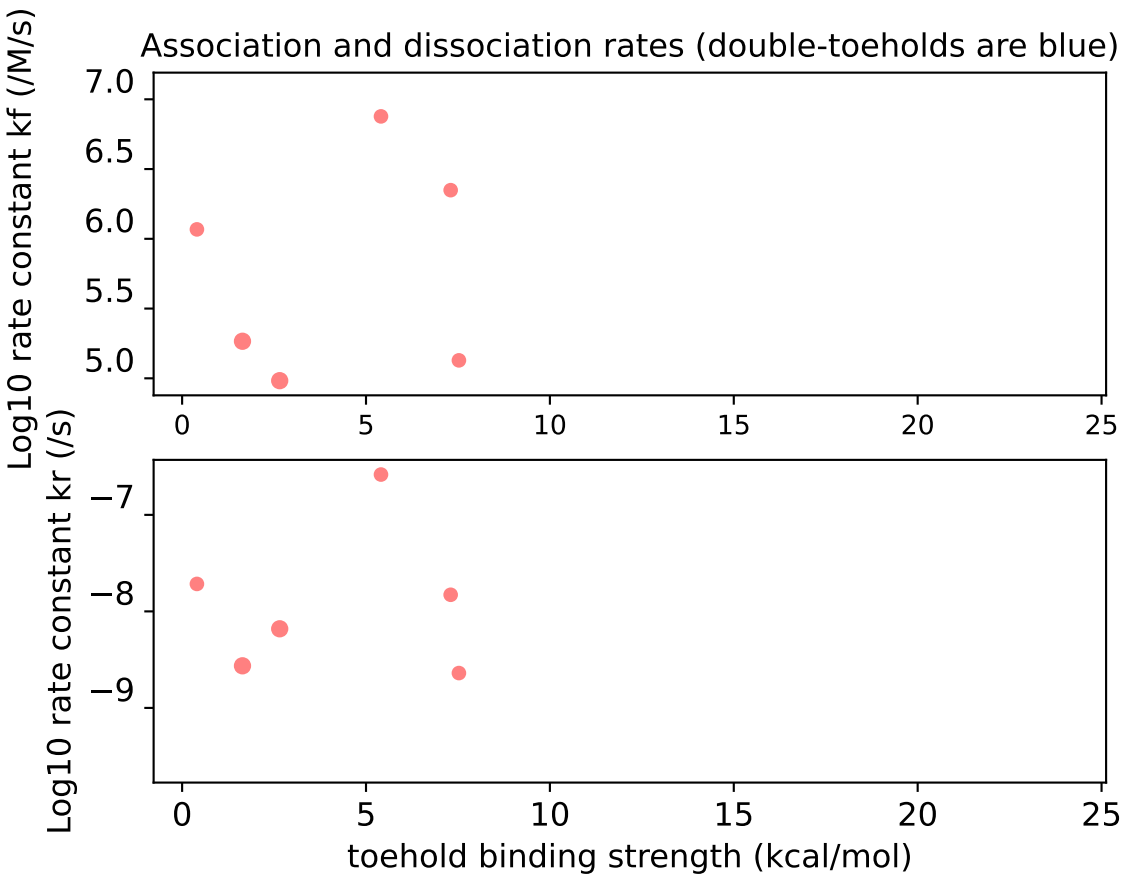
Log10 rate constant kf (/M/s)

Association and dissociation rates for short-stem strands

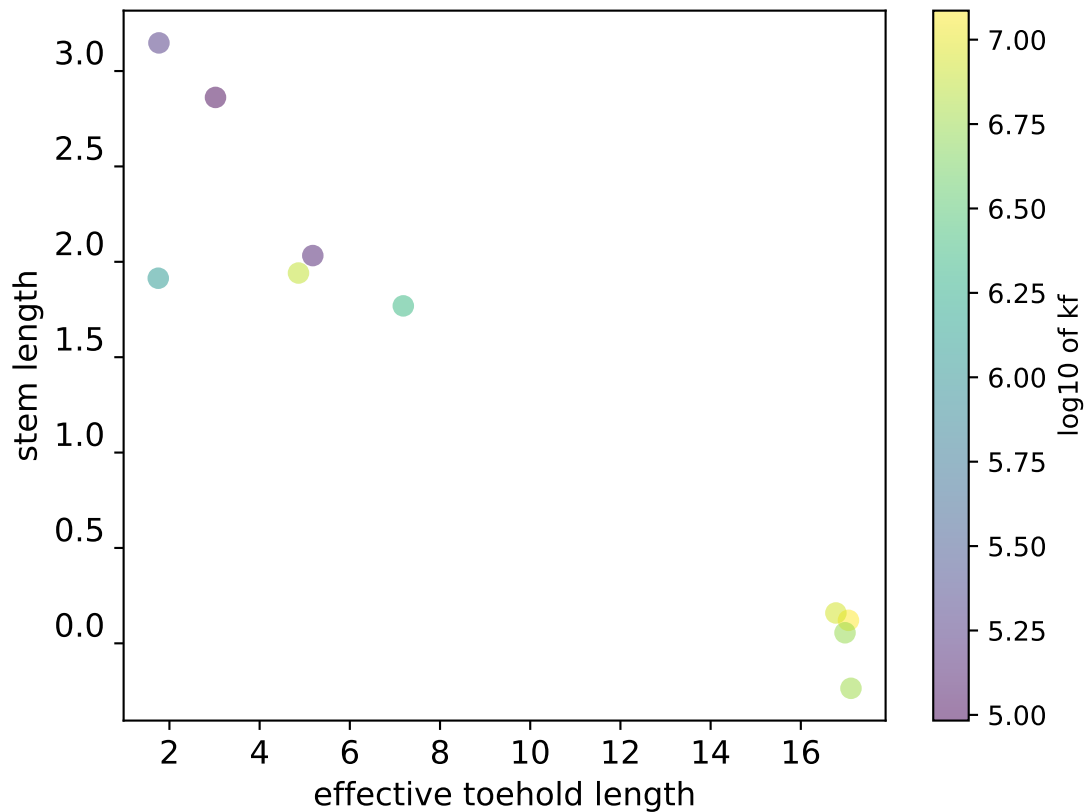


Log10 rate constant kr (/s)

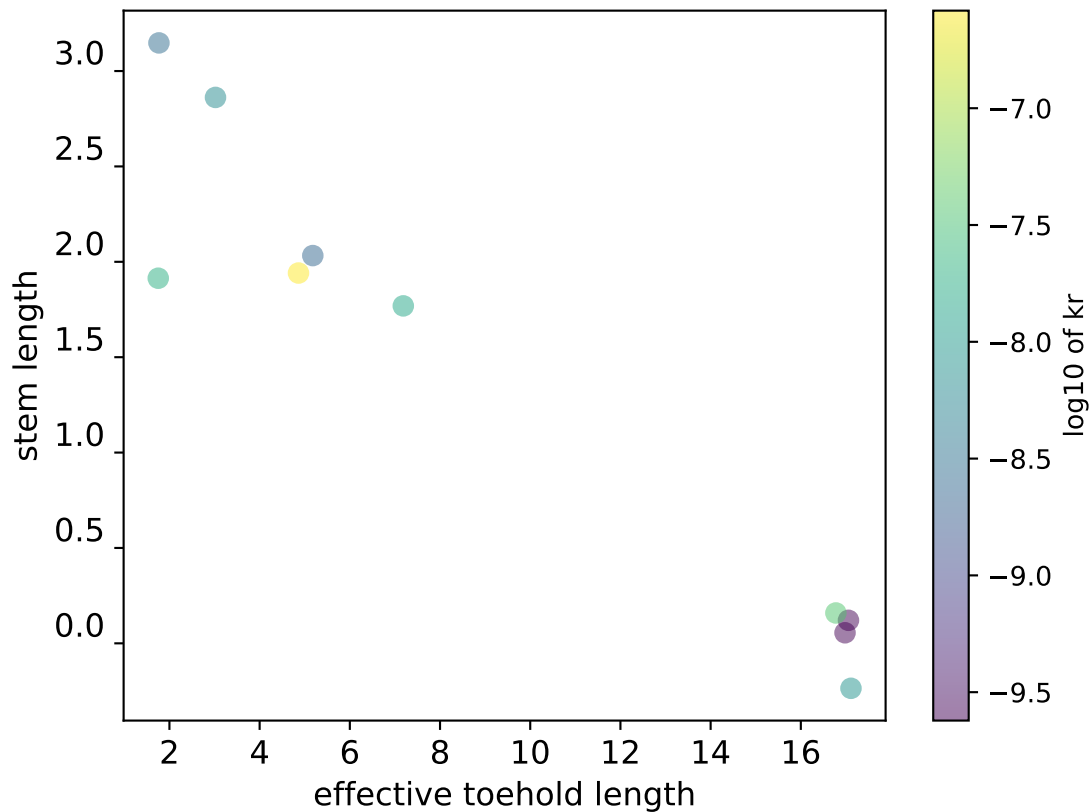




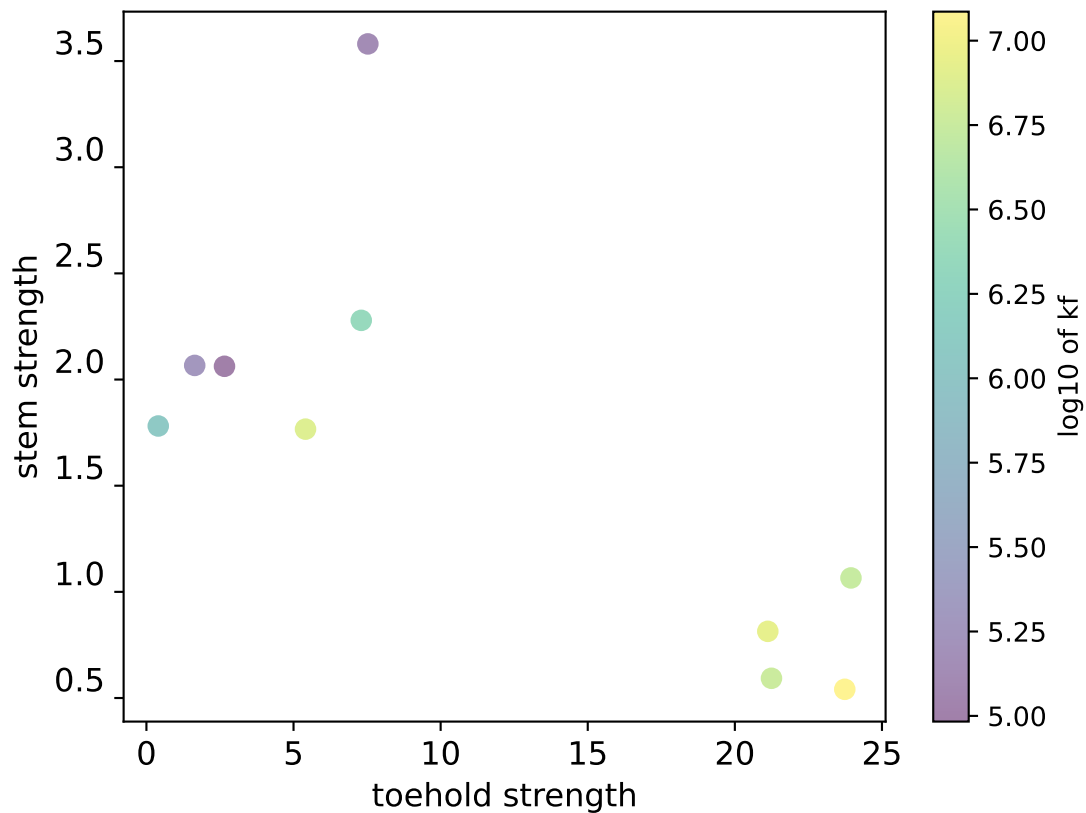
Association rates in toehold-length vs stem-length space



Disassociation rates in toehold-length vs stem-length space



Association rates in toehold-strength vs stem-strength space



Disassociation rates in toehold-strength vs stem-strength space

