

ITC experiment										Notes									
temperature																			
sample cell volume (approximate)																			
number of injections																			
injection volume																			
dilution factor for single injection (d)																			
dilution factor after final injection (d _n)																			
cell concentration																			
c-value																			
optimal R _m																			
syringe concentration																			
LIGAND																			
compound name																			
description																			
vendor																			
product no.																			
lot no.																			
purify																			
molecular weight																			
solubility																			
Stock solution preparation																			
target compound mass																			
buffer volume needed for target mass (for planning buffer usage)																			
buffer volume needed for actual mass																			
purify-corrected stock solution concentration (be careful not to exceed solubility)																			
Syringe solution preparation																			
dilution factor from stock to titrant solution																			
stock solution volume																			
buffer volume																			
total volume for titrant (need min 2.1 mL)																			
titrant concentration																			
PROTEIN																			
protein name																			
source																			
lot no.																			
molar extinction coefficient																			
protein purity (or 100% if unknown)																			
Stock solution preparation																			
Dilution for UV-Vis absorbance measurement																			
dilution factor for absorbance measurement																			
volume of stock solution																			
volume of buffer solution																			
total volume of dilution																			
absorbance measurement																			
concentration of dilution																			
concentration of stock solution																			
purify-corrected concentration of stock solution																			
Cell solution preparation																			
dilution factor																			
stock solution volume																			
buffer volume																			
total volume for titrate (need ca. 2.1 mL/experiment)																			
titrate concentration																			
Parameters from Origin fit																			
n (stoichiometry, purity, and V0 correction)																			
K _d (dissociation constant)																			
K _a (association constant)																			
Δenthalp																			
TDeltaS																			
DeltaG																			

Color key
 green = experiment
 yellow = fit to data
 red = fit to data
 grey = automatically computed

NanoDrop is linear over very large A280 due to short path length

Add a section for UV-Vis measurement of protein final dilution

Origin fit used purify-corrected protein concentration in cell