**Supplement**

1. **Sequence of mature human HLA class I histocompatibility antigen, HLA A\*0201 α-chain, 277aa**

MGSHSMRYFF TSVSRPGRGE PRFIAVGYVD DTQFVRFDSD AASQRMEPRA PWIEQEGPEY
WDGETRKVKA HSQTHRVDLG TLRGYYNQSE AGSHTVQRMY GCDVGSDWRF LRGYHQYAYD
GKDYIALKED LRSWTAADMA AQTTKHKWEA AHVAEQLRAY LEGTCVEWLR RYLENGKETL
QRTDAPKTHM THHAVSDHEA TLRCWALSFY PAEITLTWQR DGEDQTQDTE LVETRPAGDG
TFQKWAAVVV PSGQEQRYTC HVQHEGLPKP LTLRWEP

1. **Sequence of mature human β2-microglobulin, 100aa**

MIQRTPKIQV YSRHPAENGK SNFLNCYVSG FHPSDIEVDL LKNGERIEKV EHSDLSFSKD
WSFYLLYYTE FTPTEKDEYA CRVNHVTLSQ PKIVKWDRDM

1. **Binder sequence, example: ILA, 9aa**

ILAKFLHWL

1. **OriginLab script for fitting of thermal denaturation curves**

The following shows the essential part of the Originlab (V7.5 and higher) fitting-definition-function (.fdf) file for a non-linear curve fit of measured [Θ]MRW (in deg cm2 dmol-1) values as a function of temperature in degree Celsius according to Eqs. (4) to (10).

[FITTING PARAMETERS]
Naming Method=User-Defined
Names=c,aN,bN,aU,bU,dHv,Tm
Meanings=molar\_prot\_concentration,slope\_native,intercept\_native,slope\_unfolded,intercept\_unfolded,delta\_H\_vant\_Hoff\_J\_mol,melting\_temperature\_Celsius
...
...
[FORMULA]
double m, t, k, d, f;
m=Tm+273.15;
t=x+273.15;
R=8.3145;
k=exp(dHv/(R\*t)\*(t/m-1.0)-ln(0.75\*c\*c));
d=1.0/(3.0\*k\*c\*c);
f=(-0.5\*d+(0.25\*d^2+d^3/27.0)^0.5)^(1.0/3.0)-(0.5\*d+(0.25\*d^2+d^3/27.0)^0.5)^(1.0/3.0)+1.0;
y=(aN+bN\*x-aU-bU\*x)\*f+aU+bU\*x;