ADDITIONS AND CORRECTIONS

A positive cooperativity binding model between Ly49 natural killer cell receptors and the viral immunoevasin m157.
***KINETIC AND THERMODYNAMIC STUDIES*.**

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There were several errors in this article. There was a typographical error in Equation 8 in the supplemental data. Equation 8 should be as follows.

$$r = r_{min} + (r_{max} - r_{min})\bar{v}/2 \qquad \text{(Eq. 8)}$$

$\Delta G_0^{\ddagger}$ was calculated using the wrong equation. Equation 18 in the supplemental data should be as follows:

$$\Delta G_0^{\ddagger} = -RT\mathrm{ln}k^{\ddagger} \qquad \text{(Eq. 18)}$$

with $k^{\ddagger} = kh/k_B T$.

The parameter k used for the calculations in the original paper is the kinetic rate constant when the parameter $k^{\ddagger}$, the kinetic rate constant (k) multiplied by the Planck constant (h), and divided by the Boltzmann (k_B) constant and the temperature (T), should have been used. The recalculated $\Delta G_0^{\ddagger}$ affects the following text.

PAGE 5093:

In the right column, line 2, $\Delta H_0^{\ddagger}$ should be changed to $\Delta H_0^{\ddagger}$ (k_{a1}).
In the right column, line 3, "(around -10 to -20 kcal/mol)" should be changed to "(around 20 to 30 kcal/mol)."
In the right column, line 5, "(around -4 to -5 kcal/mol)" should be changed to "(around 4 to 5 kcal/mol)."

PAGE 5094:

The following sentence was incorrect: "In addition, the Ly49*/m157 species has a stability very similar to the transition state (Fig. 11*A*), making dissociation a more frequent event." This should be changed to "In addition, the Ly49*/m157 species has a stability very similar to the respective free molecules (Fig. 11*A*), making dissociation a more frequent event." Table S3 and Fig 11 were also corrected using the correct Eq. 18. These errors do not affect the results or conclusions of this work.

Authors are urged to introduce these corrections into any reprints they distribute. Secondary (abstract) services are urged to carry notice of these corrections as prominently as they carried the original abstracts.
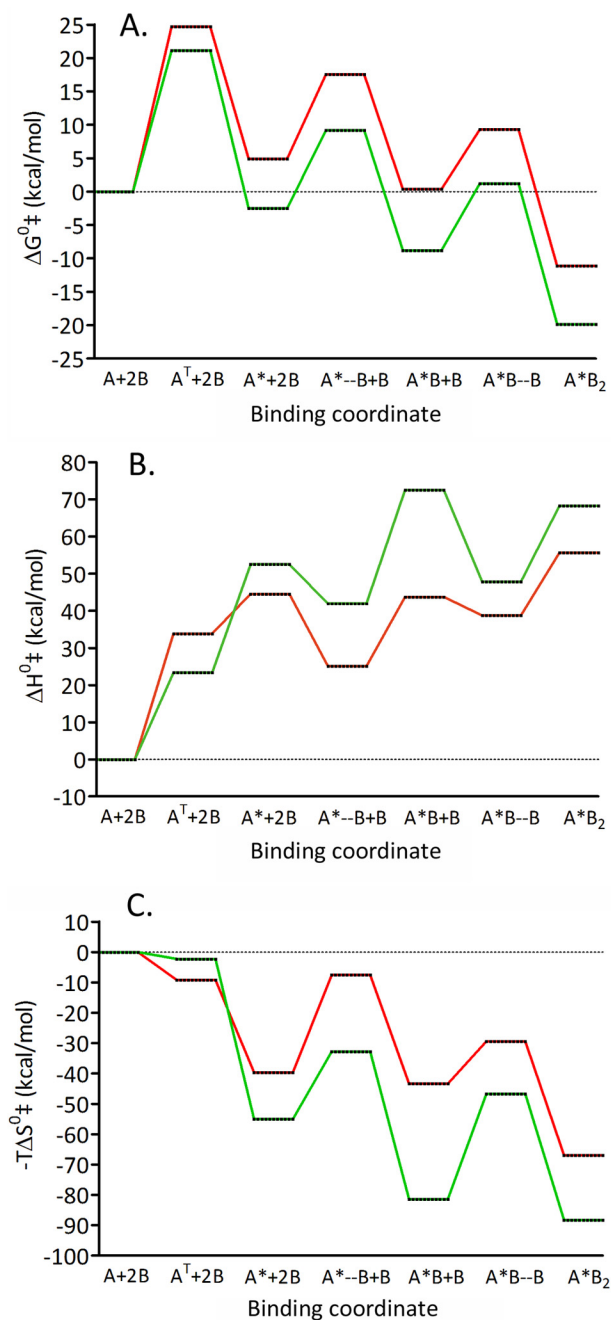
FIGURE 11

TABLE S3

Ly49H-m157 and Ly49I-m157 activation free energy ($\Delta G_0^{\ddagger}$), enthalpy ($\Delta H_0^{\ddagger}$), entropy at 25 °C ($-T\Delta S_0^{\ddagger}$), and heat capacity ($\Delta Cp_0^{\ddagger}$ for each step of the model D, estimated using the Eyring equation

	Ly49H/m157	Ly49I/m157
k_{a1}		
$\Delta G_0^{\ddagger}$ (kcal/mol)	25 ± 7	21 ± 7
$\Delta H_0^{\ddagger}$ (kcal/mol)	30 ± 20	23 ± 8
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	−10 ± 10	−2 ± 1
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	4000 ± 3000	2000 ± 1000
k_{d1}		
$-\Delta G_0^{\ddagger}$ (kcal/mol)	19 ± 1	23.6 ± 0.3
$-\Delta H_0^{\ddagger}$ (kcal/mol)	−11 ± 9	−29 ± 9
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	30 ± 20	50 ± 10
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	−2000 ± 1000	−2000 ± 1000
k_{a2}		
$-\Delta G_0^{\ddagger}$ (kcal/mol)	12.58 ± 0.09	11.66 ± 0.07
$-\Delta H_0^{\ddagger}$ (kcal/mol)	−19 ± 5	−11 ± 1
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	32 ± 9	22 ± 3
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	−2100 ± 500	−1100 ± 200
k_{d2}		
$-\Delta G_0^{\ddagger}$ (kcal/mol)	17.1 ± 0.2	18.0 ± 0.1
$-\Delta H_0^{\ddagger}$ (kcal/mol)	−19 ± 8	−31 ± 7
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	40 ± 20	50 ± 10
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	−2000 ± 1000	−3000 ± 900
k_{a3}		
$-\Delta G_0^{\ddagger}$ (kcal/mol)	9.0 ± 0.1	10.03 ± 0.07
$-\Delta H_0^{\ddagger}$ (kcal/mol)	−5 ± 4	−25 ± 9
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	14 ± 9	30 ± 10
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	−1300 ± 500	−3000 ± 1000
k_{d3}		
$-\Delta G_0^{\ddagger}$ (kcal/mol)	20.5 ± 0.2	21.1 ± 0.2
$-\Delta H_0^{\ddagger}$ (kcal/mol)	−20 ± 10	−21 ± 4
$-T\Delta S_0^{\ddagger}$ (kcal/mol)	40 ± 30	42 ± 9
$-\Delta Cp_0^{\ddagger}$ (cal/mol)	−2000 ± 1000	−2400 ± 500