|  |  | UDP (L1) | UDP-Gal (L2) | UDP-Glc (L3) | UDP-GlcNAc (L4) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{H}-20$ (R1) | $\Delta G$ | $-7.42 \pm .05$ | $-6.69 \pm .04$ | $-6.29 \pm .06$ | $-6.16 \pm .06$ |
|  | $A$ | $.008 \pm .009$ | $.994 \pm .005$ | $.74 \pm .01$ | $.51 \pm .01$ |
|  | $b$ | $.006 \pm .005$ | $.015 \pm .009$ | $.014 \pm .009$ | $.008 \pm .006$ |
|  | $\tilde{\sigma}$ | $.036 \pm .004$ | $.041 \pm .005$ | $.037 \pm .005$ | $.029 \pm .004$ |
|  | $\Delta G$ | $-8.2 \pm .2$ | $-5.64 \pm .07$ | $-5.36 \pm .04$ | $-5.36 \pm .06$ |
| K-3 (R2) | $A$ | $.18 \pm .01$ | $.81 \pm .02$ | $.94 \pm .02$ | $.55 \pm .01$ |
|  | $b$ | $.10 \pm .02$ | $.11 \pm .01$ | $.069 \pm .008$ | $.111 \pm .006$ |
|  | $\tilde{\sigma}$ | $.022 \pm .003$ | $.043 \pm .005$ | $.030 \pm .004$ | $.022 \pm .003$ |
|  | $\Delta G$ | $-7.4 \pm .1$ | $-6.21 \pm .07$ | $-6.6 \pm .1$ | $-5.60 \pm .06$ |
| L-3 (R3) | $A$ | $.02 \pm .02$ | $.85 \pm .03$ | $.83 \pm .03$ | $.43 \pm .01$ |
|  | $b$ | $.01 \pm .01$ | $.02 \pm .01$ | $.04 \pm .02$ | $.007 \pm .004$ |
|  | $\tilde{\sigma}$ | $.064 \pm .009$ | $.049 \pm .007$ | $.070 \pm .009$ | $.018 \pm .002$ |
|  | $\Delta G$ | $-10.3 \pm .3$ | $-7.69 \pm .09$ | $-8.48 \pm .08$ | $-8.00 \pm .09$ |
| $\mathbf{2 2 1 1}$ (R4) | $A$ | $.010 \pm .009$ | $.82 \pm .04$ | $.85 \pm .02$ | $.89 \pm .04$ |
|  | $b$ | $0.05 \pm .01$ | $.094 \pm .008$ | $.08 \pm .01$ | $.11 \pm .01$ |
|  | $\tilde{\sigma}$ | $.019 \pm .002$ | $.035 \pm .005$ | $.046 \pm .006$ | $.044 \pm .006$ |

