Table S8. SL-E logarithmic gains (fluxes) with magnitudes greater than 1.

|  | $V_{1}$ | $V_{2}$ | $V_{3}$ | $V_{4}$ | $V_{5}$ | $V_{6}$ | $V_{7}$ | $V_{8}$ | $V_{9}$ | $V_{10}$ | $V_{11}$ | $V_{12}$ | $V_{13}$ | $V_{14}$ | $V_{15}$ | $V_{16}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $X_{122}$ | --- | --- | --- | -1.47 | --- | -2.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{123}$ | --- | --- | --- | --- | --- | -1.37 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{124}$ | --- | --- | --- | -1.66 | --- | -2.64 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{125}$ | --- | --- | --- | -1.08 | --- | -1.73 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{128}$ | --- | --- | --- | --- | --- | --- | --- | 1.06 | 2.05 | 3.21 | 1.74 | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{130}$ | --- | --- | --- | -2.79 | -1.41 | -3.46 | --- | -1.22 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{132}$ | --- | --- | --- | --- | --- | -1.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{134}$ | --- | --- | --- | --- | --- | --- | --- | -1.02 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{143}$ | --- | --- | --- | --- | --- | --- | --- | -1.60 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{144}$ | --- | --- | --- | --- | --- | --- | --- | 1.84 | --- | -1.64 | --- | --- | --- | --- | 1.00 | 1.00 |
| $\boldsymbol{X}_{146}$ | --- | --- | --- | --- | --- | --- | --- | -1.07 | -2.09 | -3.26 | -1.77 | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{148}$ | --- | --- | --- | --- | --- | --- | --- | --- | 2.08 | 3.24 | 1.79 | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{149}$ | --- | --- | --- | 4.62 | 2.20 | 7.27 | --- | -1.23 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{152}$ | --- | --- | --- | 2.82 | 1.43 | 3.49 | --- | 1.23 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{157}$ | --- | --- | --- | --- | --- | --- | --- | 1.05 | 2.05 | 3.20 | 1.73 | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{158}$ | --- | --- | --- | -1.47 | --- | -2.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{159}$ | --- | --- | --- | -2.93 | -1.39 | -4.65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{160}$ | 1.01 | 1.01 | --- | 2.93 | 1.48 | 3.63 | --- | 1.28 | --- | --- | --- | --- | --- | --- | --- | --- |
| $\boldsymbol{X}_{165}$ | --- | --- | --- | -1.47 | --- | -2.34 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Table S8 (cont...).

|  | $V_{17}$ | $V_{18}$ | $V_{19}$ | $V_{20}$ | $V_{21}$ | $V_{22}$ | $V_{23}$ | $V_{24}$ | $V_{25}$ | $V_{26}$ | $V_{27}$ | $V_{28}$ | $V_{29}$ | $V_{30}$ | $V_{31}$ | $V_{32}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $X_{122}$ | -2.32 | --- | --- | 2.19 | 2.16 | 2.07 | --- | --- | --- | 2.00 | 2.00 | 2.00 | 2.00 | 2.02 | 2.12 | 2.93 |
| $X_{123}$ | -1.36 | --- | --- | 1.29 | 1.27 | 1.22 | --- | --- | --- | 1.17 | 1.17 | 1.17 | 1.17 | 1.19 | 1.24 | 1.72 |
| $X_{124}$ | -2.63 | 1.00 | --- | 2.48 | 2.44 | 2.34 | --- | --- | --- | 2.26 | 2.26 | 2.26 | 2.26 | 2.29 | 2.39 | 3.32 |
| $X_{128}$ | -1.72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{130}$ | --- | --- | --- | 1.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{132}$ | -3.44 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.25 |
| $X_{134}$ | -1.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{144}$ | --- | -1.04 | -1.65 | -1.45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{146}$ | --- | 1.23 | 1.81 | 1.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{148}$ | --- | --- | --- | -1.04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{152}$ | 7.22 | -1.25 | --- | -2.85 | -2.77 | -2.59 | --- | --- | --- | -2.43 | -2.43 | -2.43 | -2.43 | -2.45 | -2.56 | -3.56 |
| $X_{157}$ | 3.47 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -1.26 |
| $X_{158}$ | --- | --- | --- | 1.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{159}$ | -2.29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.13 |
| $X_{160}$ | -4.62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $X_{165}$ | 3.61 | 1.02 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -1.31 |

Table S8 (cont...).

|  | $\boldsymbol{V}_{\mathbf{3 3}}$ | $\boldsymbol{V}_{\mathbf{3 4}}$ | $\boldsymbol{V}_{\mathbf{3 5}}$ | $\boldsymbol{V}_{\mathbf{3 6}}$ | $\boldsymbol{V}_{\mathbf{3 7}}$ | $\boldsymbol{V}_{\mathbf{3 8}}$ | $\boldsymbol{V}_{\mathbf{3 9}}$ | $\boldsymbol{V}_{\mathbf{4 0}}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\boldsymbol{X}_{\mathbf{1 2 2}}$ | 2.51 | 2.98 | 5.98 | 4.31 | 4.56 | -- | 4.01 | 8.63 |
| $\boldsymbol{X}_{\mathbf{1 2 3}}$ | 1.48 | 1.75 | 3.51 | 2.53 | 2.68 | -- | 2.35 | 5.07 |
| $\boldsymbol{X}_{\mathbf{1 2 4}}$ | 2.84 | 3.38 | 6.76 | 4.88 | 5.16 | -- | 4.54 | 9.77 |
| $\boldsymbol{X}_{\mathbf{1 2 5}}$ | --- | -- | 1.03 | --- | -- | -- | --- | 1.49 |
| $\boldsymbol{X}_{\mathbf{1 3 0}}$ | --- | -- | 1.64 | -- | 1.12 | -- | --- | 2.38 |
| $\boldsymbol{X}_{\mathbf{1 3 2}}$ | 1.08 | 1.29 | 2.58 | 1.14 | -- | -- | 1.72 | 3.73 |
| $\boldsymbol{X}_{\mathbf{1 4 8}}$ | --- | --- | -1.67 | --- | -1.13 | -- | --- | -2.41 |
| $\boldsymbol{X}_{\mathbf{1 5 2}}$ | -2.95 | -3.52 | -7.07 | -5.34 | -5.74 | -- | -4.88 | -10.21 |
| $\boldsymbol{X}_{\mathbf{1 5 7}}$ | -1.09 | -1.30 | -2.60 | -1.15 | -- | -- | -1.73 | -3.76 |
| $\boldsymbol{X}_{\mathbf{1 5 8}}$ | --- | -- | 1.64 | -- | 1.11 | -- | --- | 2.37 |
| $\boldsymbol{X}_{\mathbf{1 5 9}}$ | -- | 1.12 | 2.24 | 1.69 | 1.82 | -- | 1.55 | 3.24 |
| $\boldsymbol{X}_{\mathbf{1 6 5}}$ | -1.14 | -1.35 | -2.71 | -1.20 | -- | -- | -1.80 | -3.91 |
| $\boldsymbol{X}_{\mathbf{1 7 4}}$ | --- | --- | 1.08 | --- | -- | -- | --- | 1.56 |
| $\boldsymbol{X}_{\mathbf{1 7 6}}$ | -1.25 | --- | -- | --- | -- | -- | --- | --- |
| $\boldsymbol{X}_{\mathbf{1 7 7}}$ | --- | -1.48 | -- | --- | -- | -- | --- | --- |
| $\boldsymbol{X}_{\mathbf{1 7 9}}$ | --- | --- | -1.08 | --- | -- | -- | -- | -1.56 |
| $\boldsymbol{X}_{\mathbf{1 8 0}}$ | --- | --- | -1.30 | --- | -- | -- | --- | -2.60 |
| $\boldsymbol{X}_{\mathbf{1 8 3}}$ | --- | --- | 1.80 | --- | -- | -- | --- | 2.60 |
| $\boldsymbol{X}_{\mathbf{1 8 6}}$ | --- | --- | -2.75 | -1.96 | -2.06 | -- | -1.85 | -3.97 |

