S4 Table. Categorical discriminator.

| Discriminator | Act. | Output shape |
| :--- | :---: | :---: |
| Latent vector | - | $20 \times 1 \times 1$ |
| Fully-connected | ELU | $1000 \times 1 \times 1$ |
| Fully-connected | ELU | $1000 \times 1 \times 1$ |
| Fully-connected | linear | $1 \times 1 \times 1$ |

