Supplemental Table 1- Detail of transformation functions used to meet the assumptions of Mixed models for each variable.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Transformation used | | |
| Variables | Square root | Log+1 | Structured variance |
| Latency to enter the OF | \* |  |  |
| Number of times the animal entered the OF |  |  |  |
| Total number of squares traveled in OF |  |  |  |
| Total time spent in the OF |  |  |  |
| Time spent walking in the OF |  |  | \* |
| Time spent in the center of OF |  |  | \* |
| Total frequency of rearing behavior in the OF | \* |  | \* |
| Total frequency of scratching OF |  | \* |  |
| Latency to enter ENC |  | \* |  |
| Total frequency in which the subject entered a neutral arena with a conspecific | \* |  |  |
| Time in neutral arena and near a conspecific | \* |  |  |
| Time spent scratching mesh that separate a conspecific |  |  | \* |
| Total frequency of flee behavior |  |  | \* |
| Total frequency of sniffing a conspecific |  |  | \* |
| Total frequency of freezing behavior |  |  |  |
| Total number of exposing their back to a conspecific | \* |  |  |
| Latency to enter OFp |  | \* |  |
| Total frequency the subject entered the OFp |  | \* |  |
| Total number of squares traveled in OFp |  |  | \* |
| Total time spent in the OFp |  |  |  |
| Time spent walking in OFp |  |  | \* |
| Time spent in the open area (center) near predator odor |  | \* |  |
| Total frequency of rearing behavior in OFp |  |  |  |
| Total frequency of scratching OFp | \* |  |  |
| Time spent close or touching predator odor |  |  |  |
| Total frequency of sniffing predator odor | \* |  |  |
| Time spent sniffing predator odor | \* |  |  |