**S1 Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Condition | Normal vs Diseased  | Cell/Animal Model | Experiment | Reference |
| HD | NL | TM-YAC128  | control | [1] |
| HD |  | Polyglutamate 111 repeat |  |
| AD | 1 | NL | M17 | APP WT | [2] |
| AD |  | APPswe (swedish mutant) |  |
| 2 | NL | HSF | Healthy | [3] |
| AD |  | AD-HSF |  |
| DS | NL | HF | NL-HF | [4, 5] |
| DS |  | DS-HF |  |
| PD | 1 | NL | HSF | NL-HSF | [6] |
| PD |  | PD-HSF |  |
| 2 | NL | MEF | DJ-1 WT | [7] |
| PD |  | DJ-1 KO |  |
| ALS | 1 | NL | C.elegens | CHCHD10 WT | [8] |
| ALS |  | R15L mutation |  |
| 2 | NL | MEMN E13.5  | TDP-43 WT | [9] |
| ALS |  | ALS mutant TDP-43  |  |
| Kidney injury | NL | RPTCs  | NL | [10] |
| Kidney injury |  | Azide |  |
| Diabetes/Cancer | NL | MEF | NL | [11] |
| Diabetes/Cancer |  | MitoNEET KO |  |
| OPA | NL | MEF | YME1L1 WT | [12] |
| OPA |  | YME1L1 KO |  |
| Ca2+ | NL | RCA  | RCA NL | [13] |
| Ca2+ overload |  | RCA 4Br-A23187 treated |  |

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