

Supplementary information

## Sialyltransferase ST3GAL6 silencing reduces $\alpha$ 2,3-sialylated glycans to regulate autophagy by decreasing HSPB8-BAG3 in the brain with hepatic encephalopathy

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**Table S1 Related to transfection of siRNA primers sequence**

| Gene                           | Direction | Primer sequence (5'→3') |
|--------------------------------|-----------|-------------------------|
| siNegative control<br>(siCtrl) | Sence     | UCCUCCGAACGUAUCACGU     |
|                                | Antisence | AGUGAUUACGUUCGGAGG      |
| siST3GAL6-1                    | Sence     | CAGCCUAAAACCUGAUUUUATT  |
|                                | Antisence | CGACUCCUAUGAUGUAAUATT   |
| siST3GAL6-2                    | Sence     | GAUGAGAACAUCAGCGGAAUATT |
|                                | Antisence | UAUCCGCUGAUGUUCUCAUCTT  |

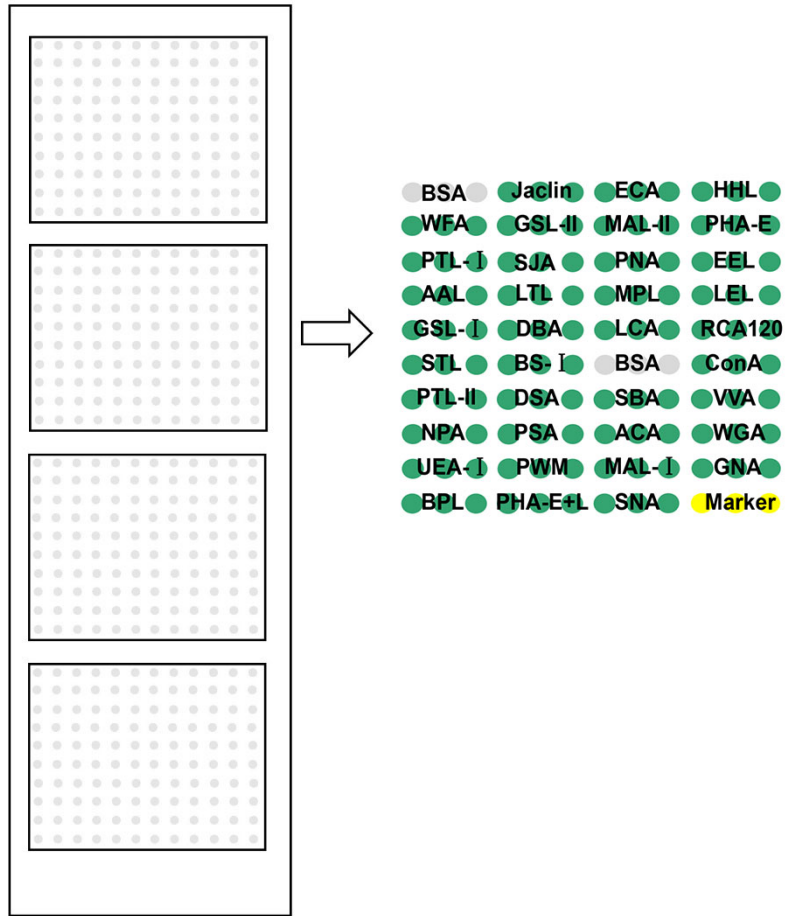


Fig. S1 Layout of the lectin microarrays. The lectin microarrays included 37 lectin probes, and each lectin was spotted in triplicate per block, with quadruplicate blocks on one slide. Cy3-labeled BSA as a marker and BSA as a negative controls.