Supplementary Table 1 DEGs related to autophagy between OGD/R+BM-MSC group and OGD/R group

| Genes   | $P$     | Fold change | Regulation |
|---------|---------|-------------|------------|
| Bnip3   | 0.0044  | 4.03        | up         |
| Plod2   | 0.0052  | 3.68        | up         |
| Hist1h3l| 0.0242  | 3.57        | up         |
| Atg9b   | 0.0084  | 2.99        | down       |
| Pfkp    | 0.0060  | 2.54        | up         |
| Bnip3l  | 0.0231  | 2.53        | up         |
| Arsb    | 0.0003  | 2.48        | up         |
| Wipi1   | 0.0297  | 2.22        | up         |
| Tospo   | 0.0022  | 2.22        | up         |
| Hilpda  | 0.0328  | 2.20        | up         |
| Mapk3   | 0.0007  | 2.17        | up         |
| Pim2    | 0.0020  | 2.12        | up         |
| Mefv    | 0.0015  | 2.11        | up         |
| Alkbh5  | 0.0013  | 2.10        | up         |
| HO-1    | 0.0192  | 2.08        | up         |
| Dap     | 0.0080  | 2.06        | up         |
| Wdr45b  | 0.0356  | 2.06        | down       |
| Eva1b   | 0.0009  | 2.03        | up         |

BM-MSCs: bone marrow-derived mesenchymal stem cells; DEGs: differentially expressed genes; HO-1: heme oxygenase-1; OGD/R: oxygen-glucose deprivation/restoration.