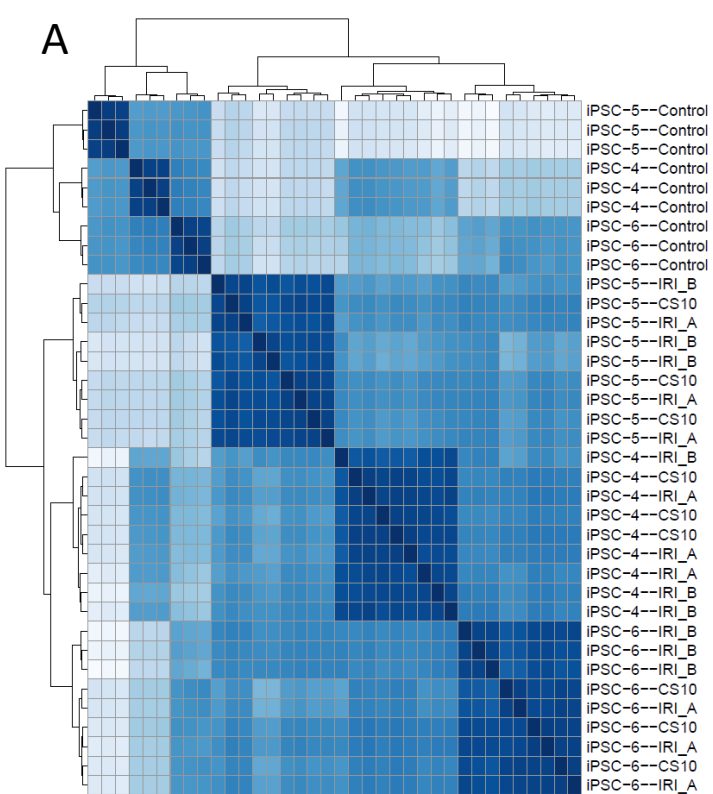
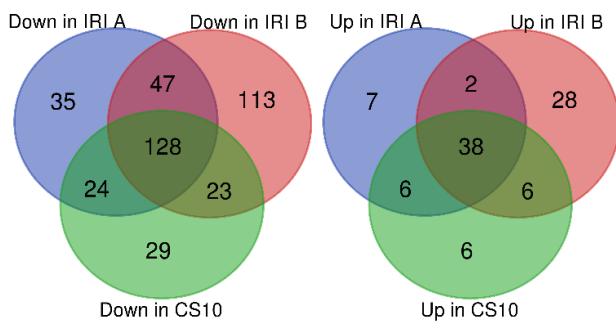


A



B



C

| Number of DEGs | CS10 | IRI-A | IRI-B |
|----------------|------|-------|-------|
| Down-regulated | 204 | 234 | 311 |
| Up-regulated | 56 | 53 | 74 |
| De-regulated | 260 | 287 | 385 |

D

| Number of selected pathways | CS10 | IRI-A | IRI-B |
|-----------------------------|------|-------|-------|
| Down-regulated | 13 | 18 | 28 |
| Up-regulated | 1 | 0 | 9 |
| De-regulated | 14 | 18 | 37 |

E

| Pathways deregulation | Cryoprotectants | Pathway name |
|-----------------------|----------------------------|---|
| Up-regulated | Common CS10 and IRI-B | HALLMARK_HYPOXIA |
| | | CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP |
| | | HALLMARK_HYPOXIA |
| | | GO_RESPONSE_TO_OXIDATIVE_STRESS |
| | | WINTER_HYPOXIA_METAGENE |
| | IRI-B | GO_CELLULAR_RESPONSE_TO_STRESS |
| | | GO_EMBRYONIC_MORPHOGENESIS |
| | | GO_REGULATION_OF_RESPONSE_TO_STRESS |
| | | GO_REGULATION_OF_CELLULAR_RESPONSE_TO_STRESS |
| | | BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP |
| Down-regulated | Common all cryoprotectants | GO_PASSIVE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |
| | | GO_INORGANIC_ION_TRANSMEMBRANE_TRANSPORT |
| | | GO_ION_TRANSMEMBRANE_TRANSPORT |
| | | GO_METAL_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |
| | | GO_INORGANIC_CATION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |
| | | GO_REGULATION_OF_TRANSMEMBRANE_TRANSPORT |
| | | GO_TRANSMEMBRANE_TRANSPORT |
| | | GO_CATION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |
| | | GO_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |
| | | GO_MONOVALENT_INORGANIC_CATION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY |