**Expression profile of DEGs of Obama nungara**
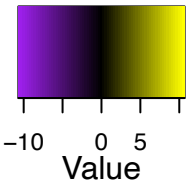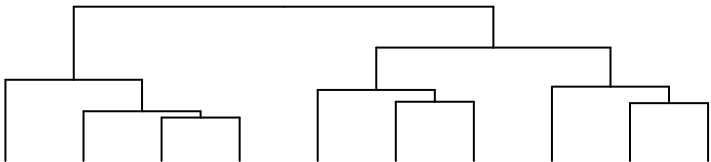**Control vs Chemosensory**
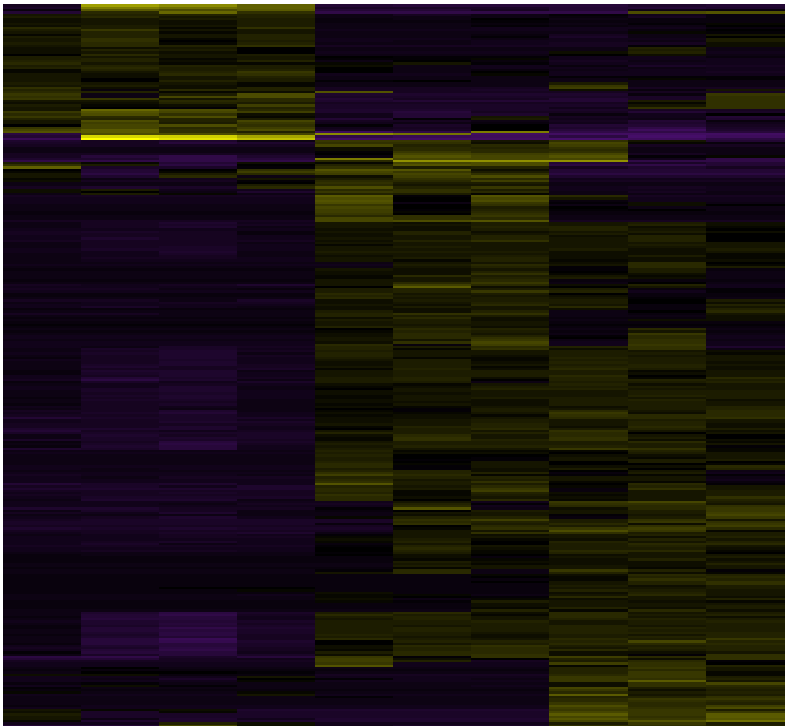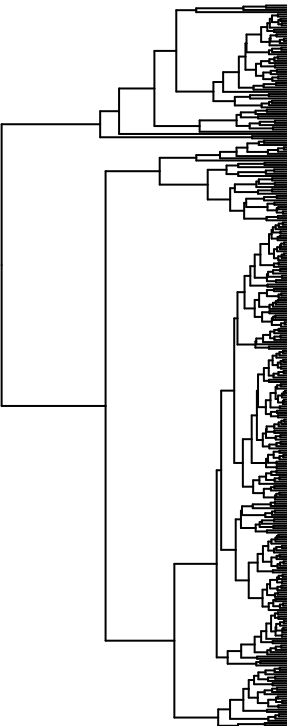
samples vs. features
diffExpr.P1e−3_C2.matrix.log2.centered

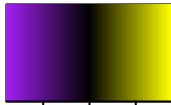**Expression profile of DEGs of Obama nungara**
**Control vs Osmoregulation**

**samples vs. features**
**diffExpr.P1e−3_C2.matrix.log2.centered**

**Color Key**

−5    0    5
Value

Osmoregulation
Control

ONUN_Osmo1
ONUN_Osmo2
ONUN_Osmo3
ONUN_CONT4
ONUN_CONT2
ONUN_CONT1
ONUN_CONT3

## Expression profile of DEGs of Obama nungara
## Control vs UV24D

**samples vs. features**
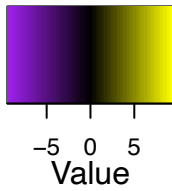**diffExpr.P1e−3_C2.matrix.log2.centered**

**Color Key**

−4   0   2   4
Value

UV_24h_Darkness
Control

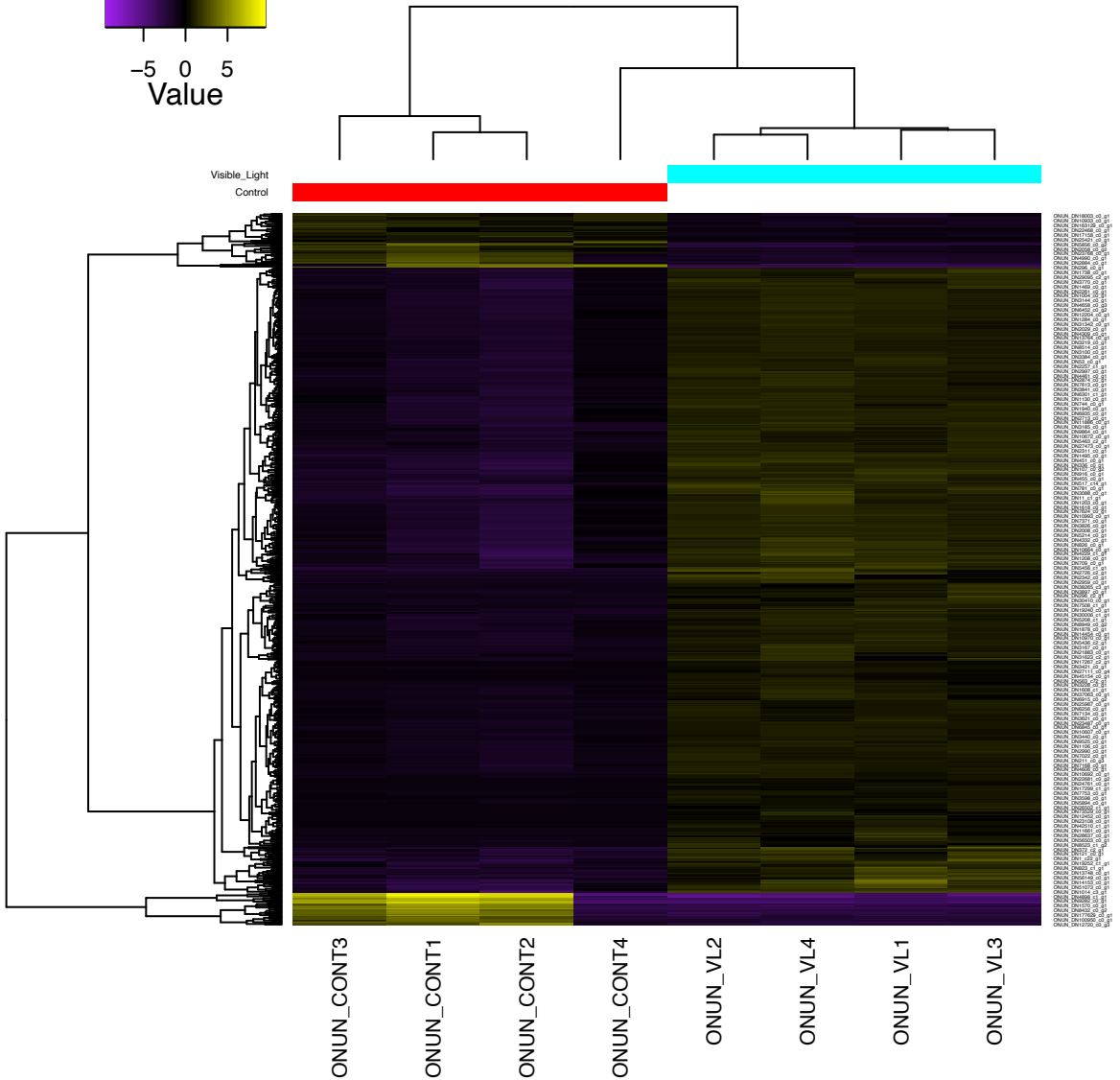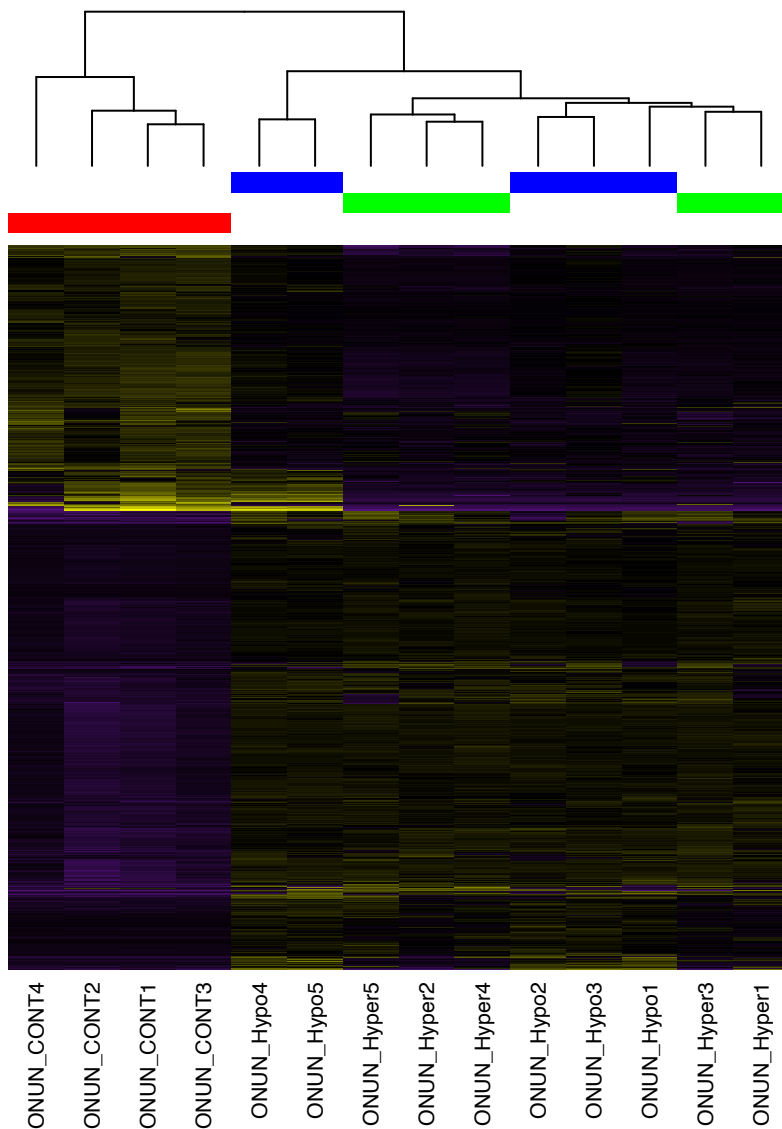ONUN_CONT1
ONUN_CONT2
ONUN_CONT3
ONUN_CONT4
ONUN_UV24D3
ONUN_UV24D1
ONUN_UV24D2
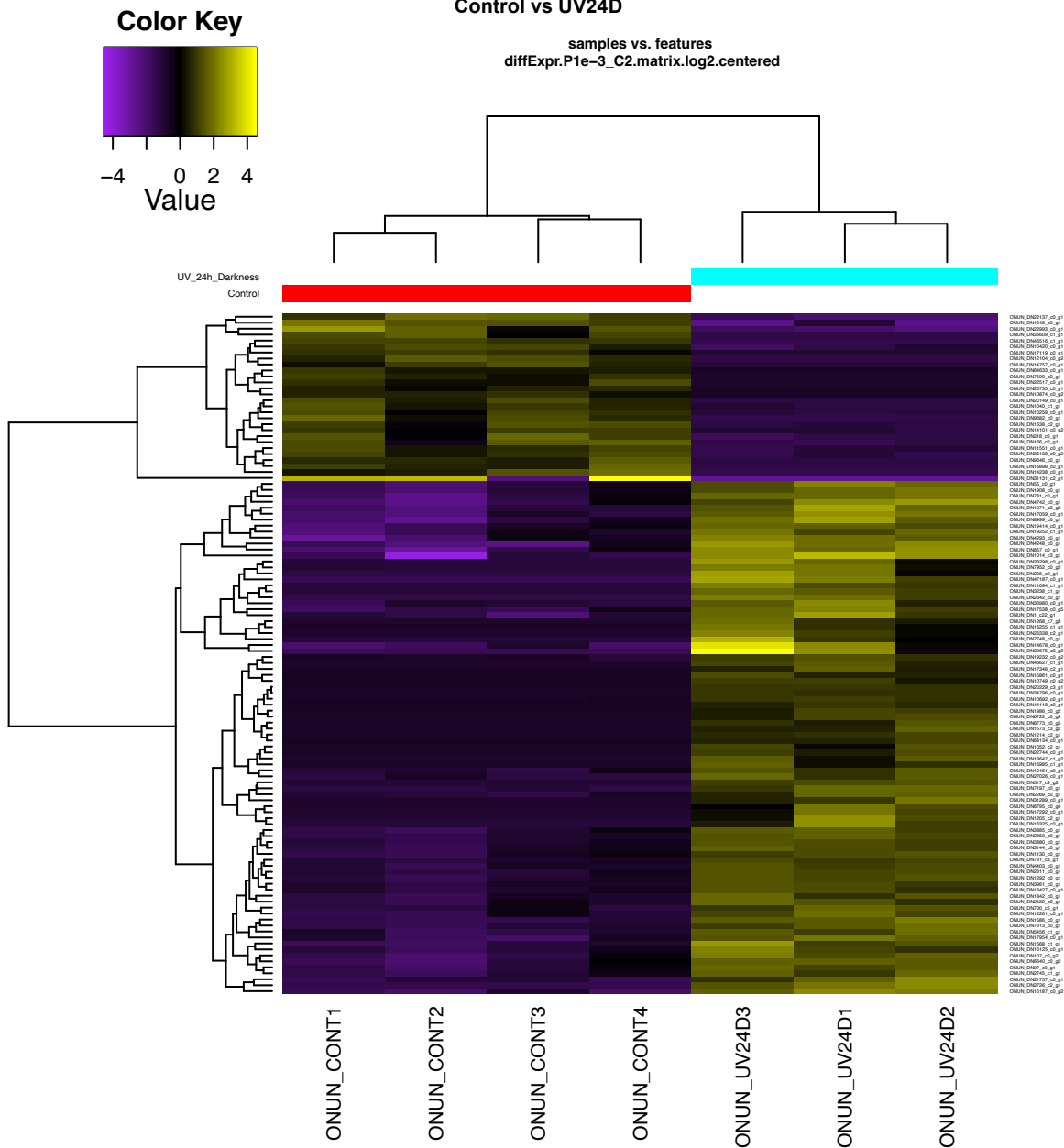
Expression profile of DEGs of Obama nungara
Control vs Visible light

samples vs. features
diffExpr.P1e−3_C2.matrix.log2.centered

Color Key

−5  0  5
Value

Visible_Light
Control

ONUN_CONT3
ONUN_CONT1
ONUN_CONT2
ONUN_CONT4
ONUN_VL2
ONUN_VL4
ONUN_VL1
ONUN_VL3

**Expression profile of DEGs of Obama nungara**
**Control vs Oxygen**

samples vs. features
diffExpr.P1e−3_C2.matrix.log2.centered

Color Key

−5  0  5
Value

Hypoxia
Hyperoxia
Control

ONUN_CONT4
ONUN_CONT2
ONUN_CONT1
ONUN_CONT3
ONUN_Hypo4
ONUN_Hypo5
ONUN_Hyper5
ONUN_Hyper2
ONUN_Hyper4
ONUN_Hypo2
ONUN_Hypo3
ONUN_Hypo1
ONUN_Hyper3
ONUN_Hyper1