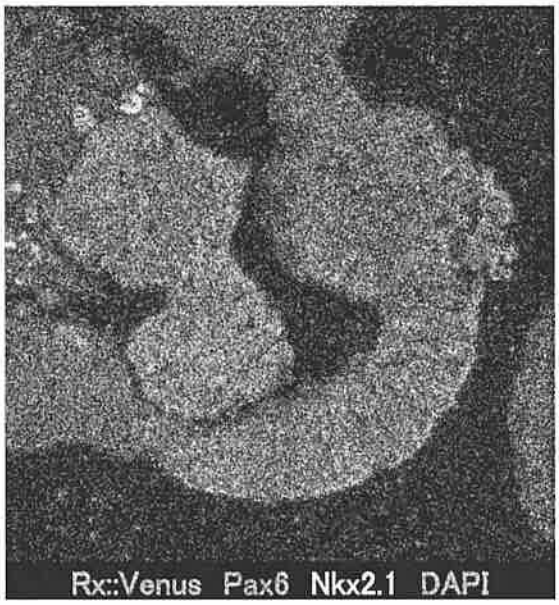

Rx::Venus Pax6 Nkx2.1 DAPI

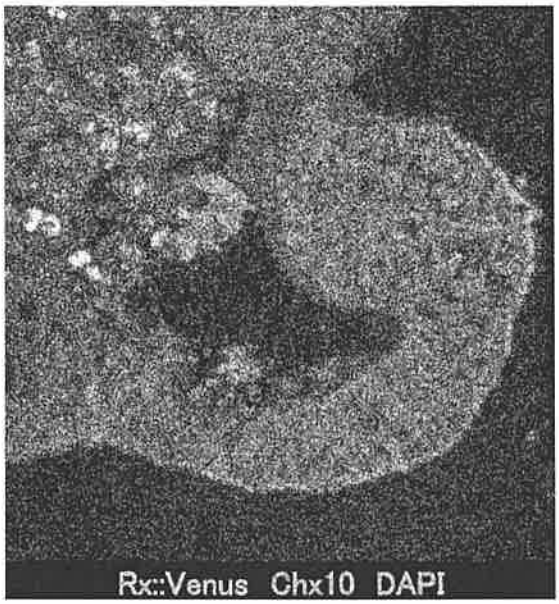
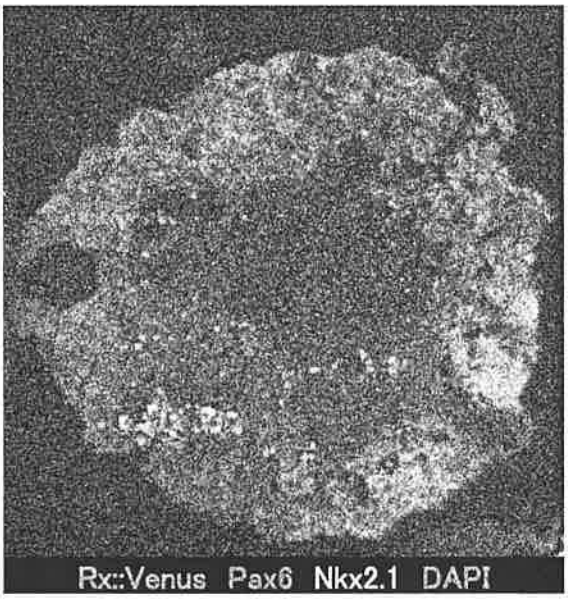

Rx::Venus Chx10 DAPI

Fig. 3


Rx::Venus Pax6 Nkx2.1 DAPI

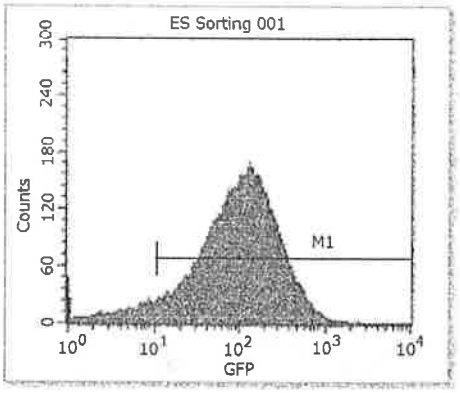

ES Sorting 001
Counts
0
60
120
180
240
300
M1
10^0
10^1
10^2
10^3
10^4
GFP

Fig. 4

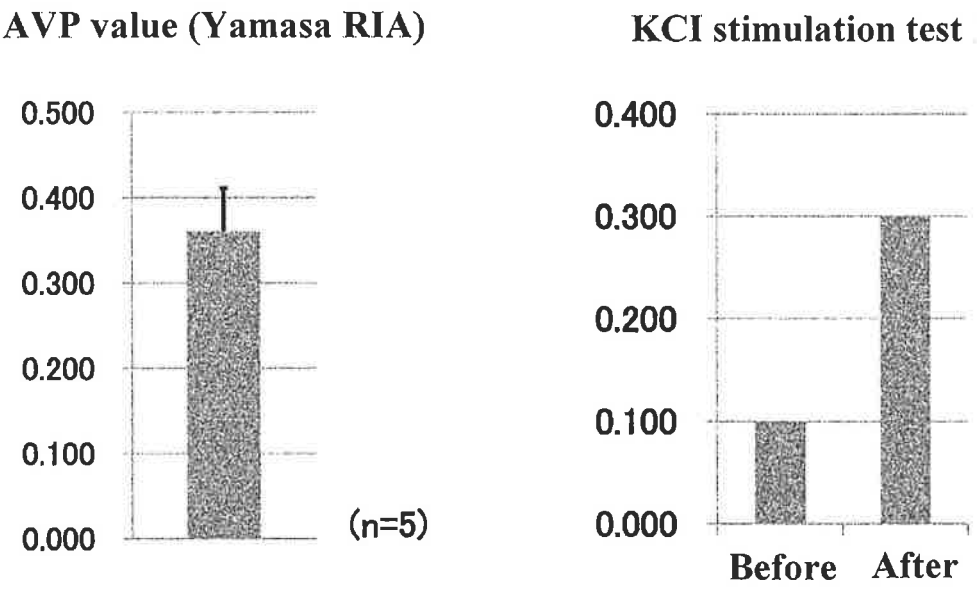

AVP value (Yamasa RIA)
0.500
0.400
0.300
0.200
0.100
0.000
(n=5)
KCl stimulation test
0.400
0.300
0.200
0.100
0.000
Before
After

Fig. 9

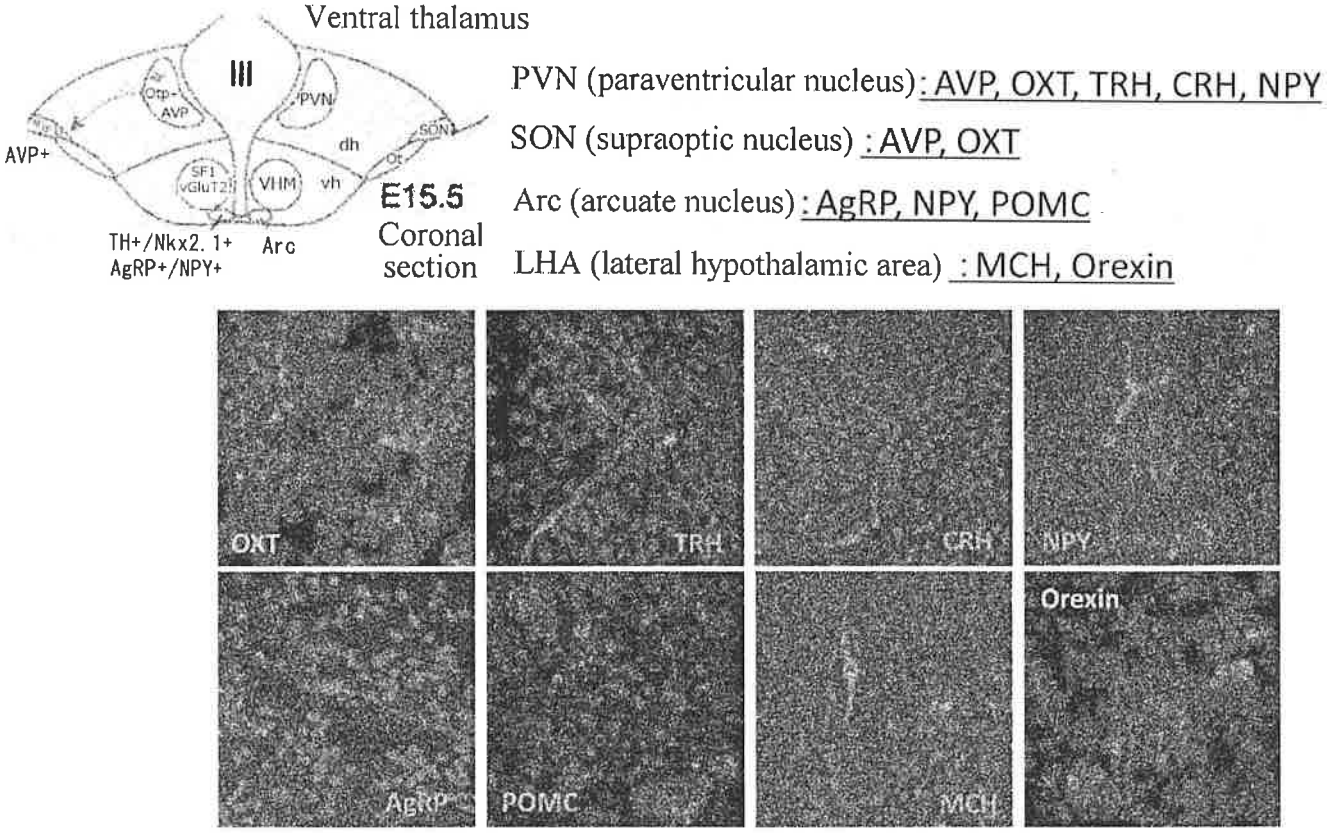

Ventral thalamus
III
Otp+
AVP
PVN
SON
dh
Ot
vh
VHM
SF1
vGluT2
AVP+
TH+/Nkx2.1+
AgRP+/NPY+
Arc
E15.5
Coronal
section
PVN (paraventricular nucleus): AVP, OXT, TRH, CRH, NPY
SON (supraoptic nucleus) : AVP, OXT
Arc (arcuate nucleus) : AgRP, NPY, POMC
LHA (lateral hypothalamic area) : MCH, Orexin
OXT
TRH
CRH
NPY
AgRP
POMC
MCH
Orexin

Fig. 10

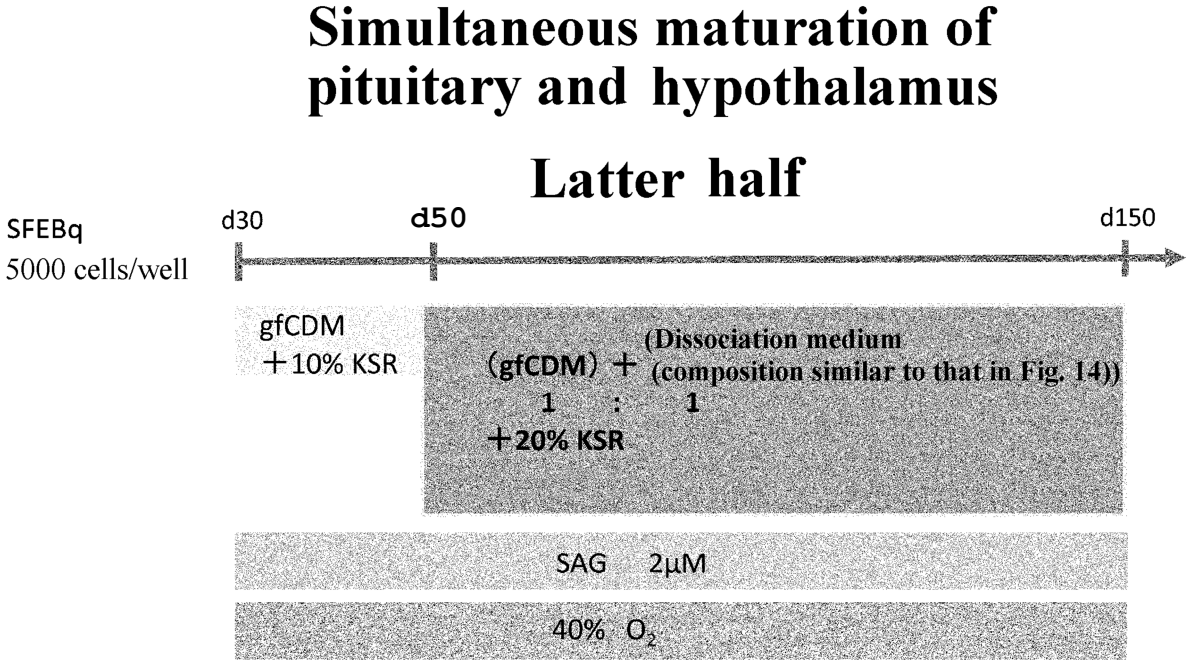

Simultaneous maturation of pituitary and hypothalamus
Latter half
SFEBq
5000 cells/well
d30
d50
d150
gfCDM
+10% KSR
(gfCDM) + (Dissociation medium (composition similar to that in Fig. 14))
1 : 1
+20% KSR
SAG 2μM
40% O2

Fig. 17