## log2(TPM) change of Rac2 in DGRP-551 male from 3 to 50 in all clusters Cluster

0

13 5 5

15 6 50

16

18

19 9 56

21

34 Α 71

0

3 47 Ε 81

8

<

>

В С 76 V

D 79 W

49

51

54 Κ

59

6

62 0

67

68 Q

69 R

75 U 83

A/B\*-KC

adPN/kn

AstA/NPF

AstA/Nplp1

C3

Capa

Clock

Astrocyte-like

Chiasm-glia

Dm8/Dm11

Dopaminergic

Ensheathing-glia

adPN/C15&kn

adPN/kn&CG31676

G 84

Н 9

Ν

X G-KC

Y Gr43a

L1

L2

L3

L4/L5

Lawf1

Lawf2

IPN/CG31676

Octopaminergic

Olfactory-projection-neurons

IPN/unpg

**MBON** 

Mi1

Mip

PAM

LNv

а

е

Lamina-monopolar

Z

Perineurial-glia

**Photoreceptors** 

**Plasmatocytes** 

Pm1/Pm2/Pm3

Pm1/Pm2

Pm3

Poxn

T2

T3

t

u

Proc/Ms

Serotonergic

Tm1/TmY8

Tm5ab

Tm5c

Tm9

TmY14

Tyraminergic

Subperineurial-glia

	log2(TPM) change of Ra
	P P
7.5	
5.0	200
5.0	
2.5	
	Young Age Old Age Age Group

**Expression Level** 

