log2(TPM) change of AttA in DGRP-551 female from 3 to 50 in all clusters

3.50 9 13 A/B-KC Pm1/Pm2/Pm3 50 & 8 Hug 15 51 A/B\*-KC L2 Pm3 16 54 adPN L3 Pm4 18 56 adPN/C15 L4/L5 Proc/Ms 3.48 Expression Level 3.46 59 adPN/C15&kn Serotonergic Lawf1 AstA/NPF Lawf2 Subperineurial-glia  $\nabla$ 6 + \* 21 62 AstA/Nplp1 IPN/CG31676 T2 25 67 Astrocyte-like IPN/unpg Q T3 68 Clock **MBON** Tm1/TmY8 29 XXCortex-glia 3 69 Mi1 Tm5ab

В

Ε

Mip

PAM

Octopaminergic

Perineurial-glia

**Photoreceptors** 

Olfactory-projection-neurons

Tm5c

TmY14

Tyraminergic

DCN

DN1

Dm8/Dm11

Dopaminergic

Ensheathing-glia

dorsal-Fan-shaped-Body

30

32

34

71 0

75

76 2

78

79

83

## 3.44 3.42 Young Age Old Age

Age Group