log2(TPM) change of CecA1 in DGRP-551 female from 3 to 50 in all clusters Cluster 0 47 84 G-KC **Plasmatocytes** D 8.5 5 Gr43a Pm1/Pm2 Hug Pm1/Pm2/Pm3 13 50 A/B-KC A/B*-KC L2 15 51 Pm3 16 6 54 Н adPN Ζ L3 Pm4 18 56 adPN/C15 L4/L5 Proc/Ms adPN/C15&kn Serotonergic 19 59 Lawf1 AstA/NPF Lawf2 Subperineurial-glia 6

IPN/CG31676

Octopaminergic

Perineurial-glia

Photoreceptors

Olfactory-projection-neurons

IPN/unpg

MBON

Mi1

Mip

PAM

а

b

е

T2

T3

Tm1/TmY8

Tm5ab

Tm5c

TmY14

Tyraminergic

AstA/Nplp1

Cortex-glia

Dm8/Dm11

Dopaminergic

Ensheathing-glia

dorsal-Fan-shaped-Body

Clock

DCN

DN1

Astrocyte-like

62 67

68 N

69 O

71

75 Q

78 S

79

83

<

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@ 76 R

Expression Level 7.5

Young Age

Old Age

Age Group

