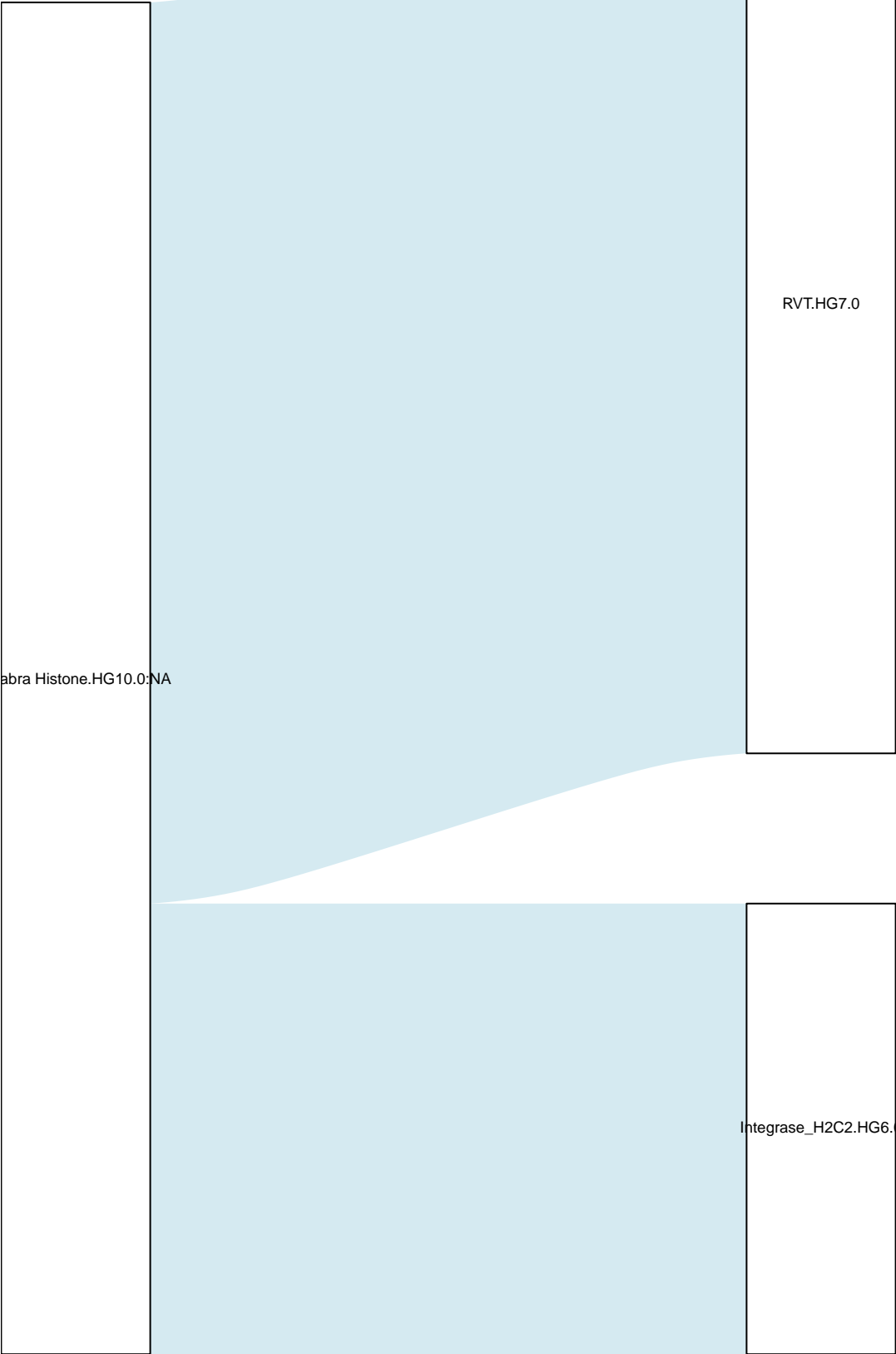


Histone RT domain fusions  
Histone.HG10.0:NA



OG

n=3

TEG

# Histone RT domain fusions

## Histone.HG2.5:H3-2/H3-3A/H3-3B/H3-4/H...

rtgen Histone.HG2.5:H3-2/H3-3A/H3-3B/H3-4/H... is RVT.HG15

# Histone RT domain fusions

## Histone.HG3.8:like:CU639417.1/H2BC1/H...

Histone.HG3.8:like:CU639417.1/H2BC1/H... is RVT.HG15.1,RVT.

# **Histone RT domain fusions**

## **Histone.HG3.5:CU639417.1/H2BC1/H2BC3/...**

pur Histone.HG3.5:CU639417.1/H2BC1/H2BC3/... is RVT.HG47.

# Histone RT domain fusions

## Histone.HG2.18:like:CENPA/H3-2/H3-3A/...

ymmic Histone.HG2.18:like:CENPA/H3-2/H3-3A/... is RVT.HG72

**Acetyltransf\_1 RT domain fusions**  
**Acetyltransf\_1.HG1.29:like:NAT14:like...**

Acetyltransf\_1.HG1.29:like:NAT14:like... is Integrase\_H2C2.HG12.0,

# Acetyltransf\_1 RT domain fusions

## Acetyltransf\_1.HG2.0:KAT14

yltransf\_1.HG2.0:KAT14 is Integrase\_H2C2.HG1.29,rve.HG2.1,R

# **SIR2 RT domain fusions**

## **SIR2.HG3.1:SIRT6**

Chabra SIR2.HG3.1:SIRT6 is Integrase\_H2C2.HG11.0



**SET RT domain fusions**  
**SET.HG1.19:SMYD1/SMYD2/SMYD3**

Hydvul SET.HG1.19:SMYD1/SMYD2/SMYD3 is RVT.HG15.1

**SET RT domain fusions**  
**SET.HG7.1:like:PRDM1/PRDM2/PRDM6/PRDM...**

mic SET.HG7.1:like:PRDM1/PRDM2/PRDM6/PRDM... is RVT.HG

# **SWIRM RT domain fusions**

## **SWIRM.HG2.1:TADA2A**

Chabra SWIRM.HG2.1:TADA2A is RVT.HG8.0

**CupinJmjC RT domain fusions**  
**CupinJmjC.HG1.5:like:KDM8:likeclu:45**

Bremin CupinJmjC.HG1.5:like:KDM8:likeclu:45 is RVT.HG53.8

# CupinJmjC RT domain fusions

## CupinJmjC.HG3.0:RIOX2

Emue CupinJmjC.HG3.0:RIOX2 is RVT.HG35.0

# CupinJmjC RT domain fusions

## CupinJmjC.HG5.1:NA

Morvir CupinJmjC.HG5.1:NA is RVT.HG20.4

**CupinJmjC RT domain fusions**  
**CupinJmjC.HG1.15:like:KDM8:likeclu:45**

cupinJmjC.HG1.15:like:KDM8:likeclu:45 is Integrase\_H2C2.HG1.28

# **BIR RT domain fusions**

## **BIR.HG1.0:BIRC5**

Notgen BIR.HG1.0:BIRC5 is RVT.HG3.16



# **Bromodomain RT domain fusions**

## **Bromodomain.HG1.16:like:BRD2/BRD3/BRD...**

bromodomain.HG1.16:like:BRD2/BRD3/BRD... is Integrase\_H2C2

# **Bromodomain RT domain fusions**

## **Bromodomain.HG3.10:KAT2A/KAT2B**

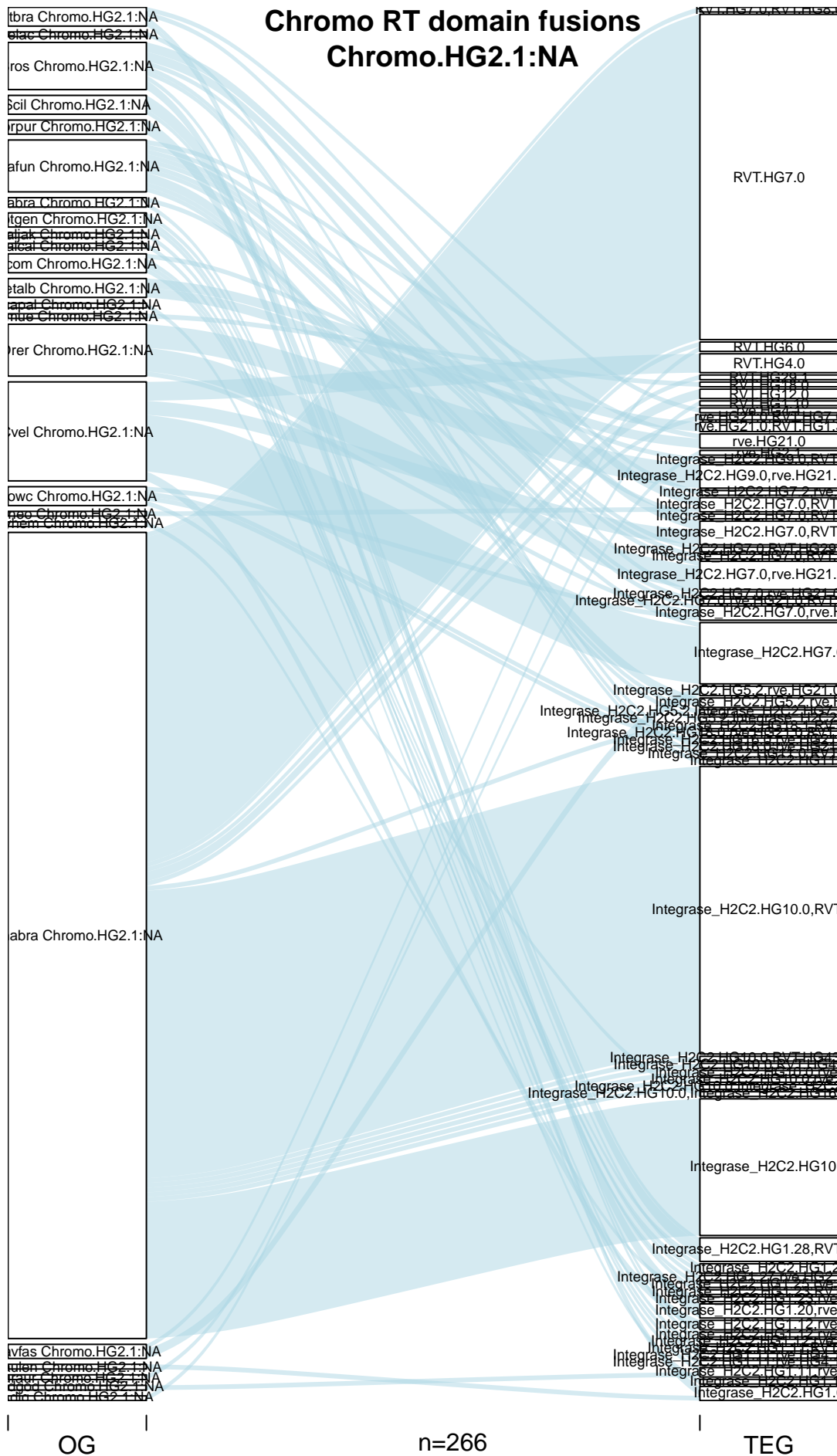
Morvir Bromodomain.HG3.10:KAT2A/KAT2B is RVT.HG25.0

## **Bromodomain RT domain fusions**

### **Bromodomain.HG2.3:BRD7/BRD9**

domain.HG2.3:BRD7/BRD9 is Integrase\_H2C2.HG13.0,rve.HG4.

## Chromo RT domain fusions



Chromo RT domain fusions  
Chromo.HG3.3:NA

simul Chromo.HG3.3:NA

rve.HG4.1

abra Chromo.HG3.3:NA

Integrase\_H2C2.HG5.1,rve.H

navo Chromo.HG3.3:NA

Integrase\_H2C2.HG5.1,rve.HG10.

dgod Chromo.HG3.3:NA

Integrase\_H2C2.HG14.3,rve.HG4.

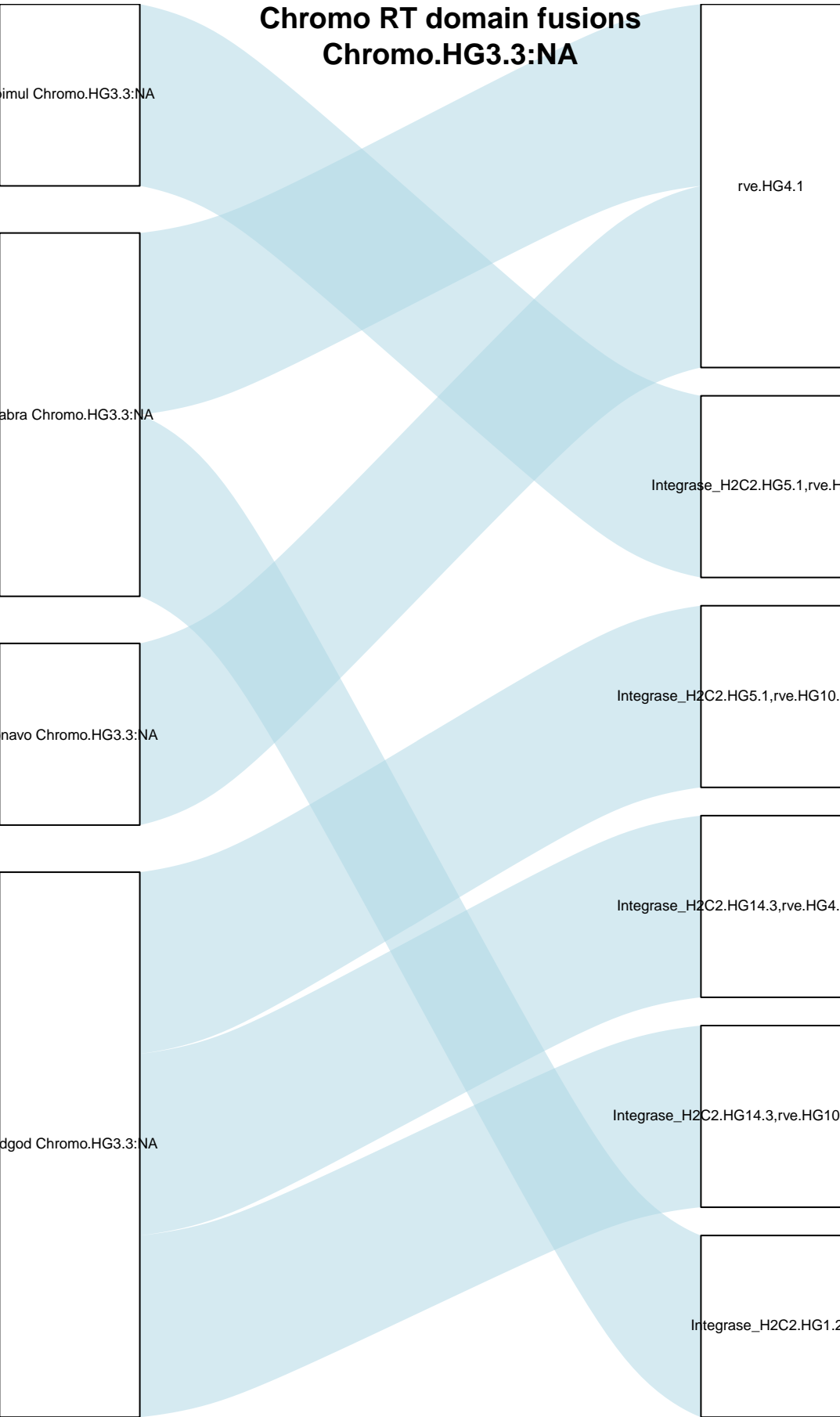
Integrase\_H2C2.HG14.3,rve.HG10

Integrase\_H2C2.HG1.2

OG

n=7

TEG



Chromo RT domain fusions  
Chromo.HG3.0:NA

adh Chromo.HG3.0:NA

tgen Chromo.HG3.0:NA

orvir Chromo.HG3.0:NA

aljak Chromo.HG3.0:NA

alcal Chromo.HG3.0:NA

apal Chromo.HG3.0:NA

alan Chromo.HG3.0:NA

iraur Chromo.HG3.0:NA

rve.HG26.1

Integrase\_H2C2.HG7.1,rve.

OG

n=15

TEG



Chromo RT domain fusions  
Chromo.HG3.2:NA

tyfla Chromo.HG3.2:NA

Integrase\_H2C2.HG13

rpur Chromo.HG3.2:NA

Integrase\_H2C2.HG1.28,rve

Integrase\_H2C2.HG1.2

Integrase\_H2C2.HG1.27,rve

Integrase\_H2C2.HG1.2

tgen Chromo.HG3.2:NA

Integrase\_H2C2.HG1.20,rve.HG2.

Integrase\_H2C2.HG1.20,rve

vel Chromo.HG3.2:NA

Integrase\_H2C2.HG1.12,RVT

Integrase\_H2C2.HG1.12,RVT

Integrase\_H2C2.HG1.1

Integrase\_H2C2.HG1.11,RVT

hem Chromo.HG3.2:NA

Integrase\_H2C2.HG1.10,rve

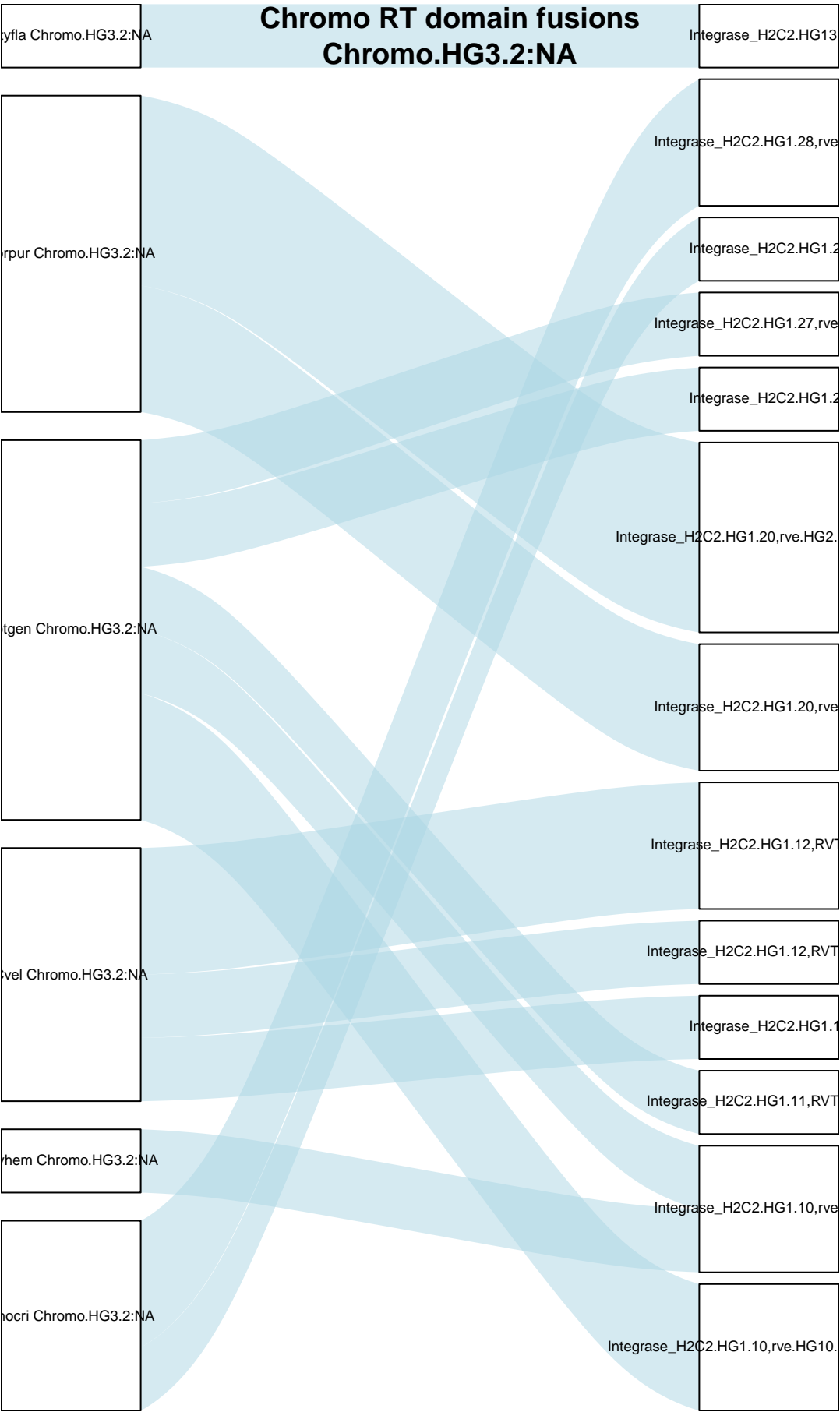
hoci Chromo.HG3.2:NA

Integrase\_H2C2.HG1.10,rve.HG10.

OG

n=20

TEG



# Chromo RT domain fusions

## Chromo.HG2.0:NA

rve.HG2.1

hoci Chromo.HG2.0:NA

Integrase\_H2C2.HG1.28,rve

OG

n=5

TEG



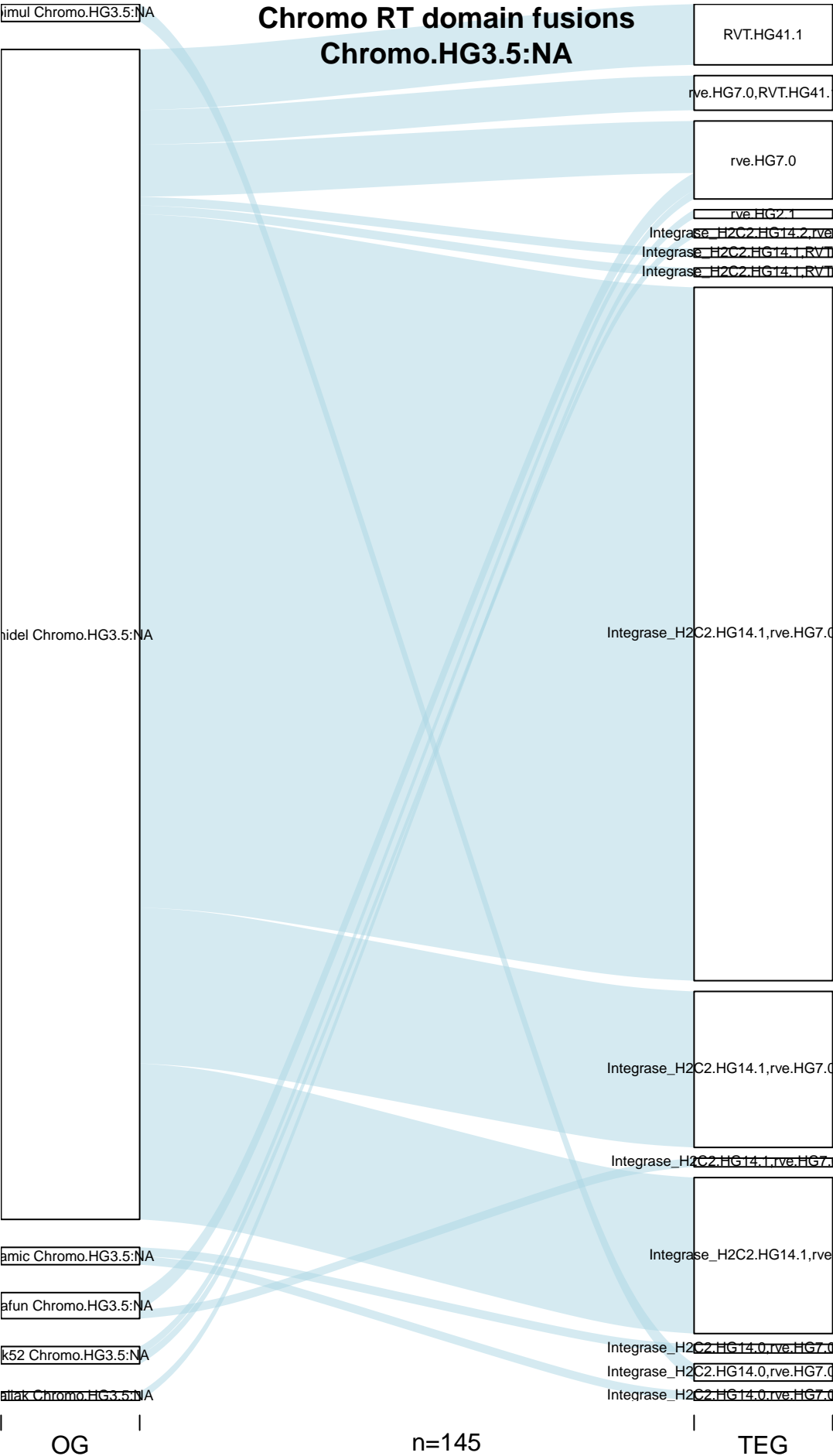
# Chromo RT domain fusions

## Chromo.HG5.2:like:CHD6/CHD7/CHD8/CHD9...

sil Chromo.HG5.2:like:CHD6/CHD7/CHD8/CHD9... is RVT.HG26.

# Chromo RT domain fusions

## Chromo.HG3.5:NA



**Chromo RT domain fusions**  
**Chromo.HG6.0:NA**

Rirr Chromo.HG6.0:NA

rve.HG27.1

Mlei Chromo.HG6.0:NA

rve.HG26.1

OG

n=21

TEG

# Chromo RT domain fusions

## Chromo.HG4.1:CHD1/CHD2

Morvir Chromo.HG4.1:CHD1/CHD2 is RVT.HG25.0

# Chromo RT domain fusions

## Chromo.HG3.4:NA

Spimul Chromo.HG3.4:NA is RVT.HG21.5

PHD RT domain fusions  
PHD.HG9.1:NA

Sphfal PHD.HG9.1:NA

Ptyfla PHD.HG9.1:NA

hoaus PHD.HG9.1:NA

Klenit PHD.HG9.1:NA

Emue PHD.HG9.1:NA

Crei PHD.HG9.1:NA

habra PHD.HG9.1:NA

Apla PHD.HG9.1:NA

RVT.HG6.0

RVT.HG18.0

rve.HG2.1

Integrase\_H2C2.HG7.2,rve.HG2.1

Integrase\_H2C2.HG5.2,rve.HG2.1

Integrase\_H2C2.HG5.2,rve.HG2.1

Integrase\_H2C2.HG5.2,rve.HG2.1

Integrase\_H2C2.HG19

Integrase\_H2C2.HG16

Integrase\_H2C2.HG13.0,rve.HG2.1

Integrase\_H2C2.HG13.0,rve.HG2.1

Integrase\_H2C2.HG11.0,RVT.HG6.0

Integrase\_H2C2.HG11.0,RVT.HG6.0

Integrase\_H2C2.HG11.0,rve.HG2.1

Integrase\_H2C2.HG11

Integrase\_H2C2.HG1.26,RVT.HG6.0

Integrase\_H2C2.HG1.26,rve.HG16.0

Integrase\_H2C2.HG1.2

OG

n=30

TEG

PHD RT domain fusions  
PHD.HG11.0:like:PYGO1/PYGO2:likeclu:2

PHD.HG11.0:like:PYGO1/PYGO2:likeclu:2

RVT.HG5.11

RVT.HG3.5

PHD.HG11.0:like:PYGO1/PYGO2:likeclu:2

RVT.HG14.9

PHD.HG11.0:like:PYGO1/PYGO2:likeclu:2

RVT.HG14.16

OG

n=6

TEG

# PHD RT domain fusions

## PHD.HG23.1:NA

Chabra PHD.HG23.1:NA is Integrase\_H2C2.HG8.1,rve.HG8.0



**PHD RT domain fusions**  
**PHD.HG15.0:RSF1**

Chabra PHD.HG15.0:RSF1 is RVT.HG8.0

**PHD RT domain fusions**  
**PHD.HG4.5:BAZ1A/BAZ1B/BAZ2A/BAZ2B**

Shabra PHD.HG4.5:BAZ1A/BAZ1B/BAZ2A/BAZ2B is RVT.HG11.

**PHD RT domain fusions**  
**PHD.HG11.2:PYGO1/PYGO2**

Hydvul PHD.HG11.2:PYGO1/PYGO2 is RVT.HG3.18

# PHD RT domain fusions

PHD.HG11.1:like:PYGO1/PYGO2:likeclu:2

PHD.HG11.1:like:PYGO1/PYGO2:likeclu:2

PHD.HG11.1:like:PYGO1/PYGO2:likeclu:2

PHD.HG11.1:like:PYGO1/PYGO2:likeclu:2

RVT.HG25.0

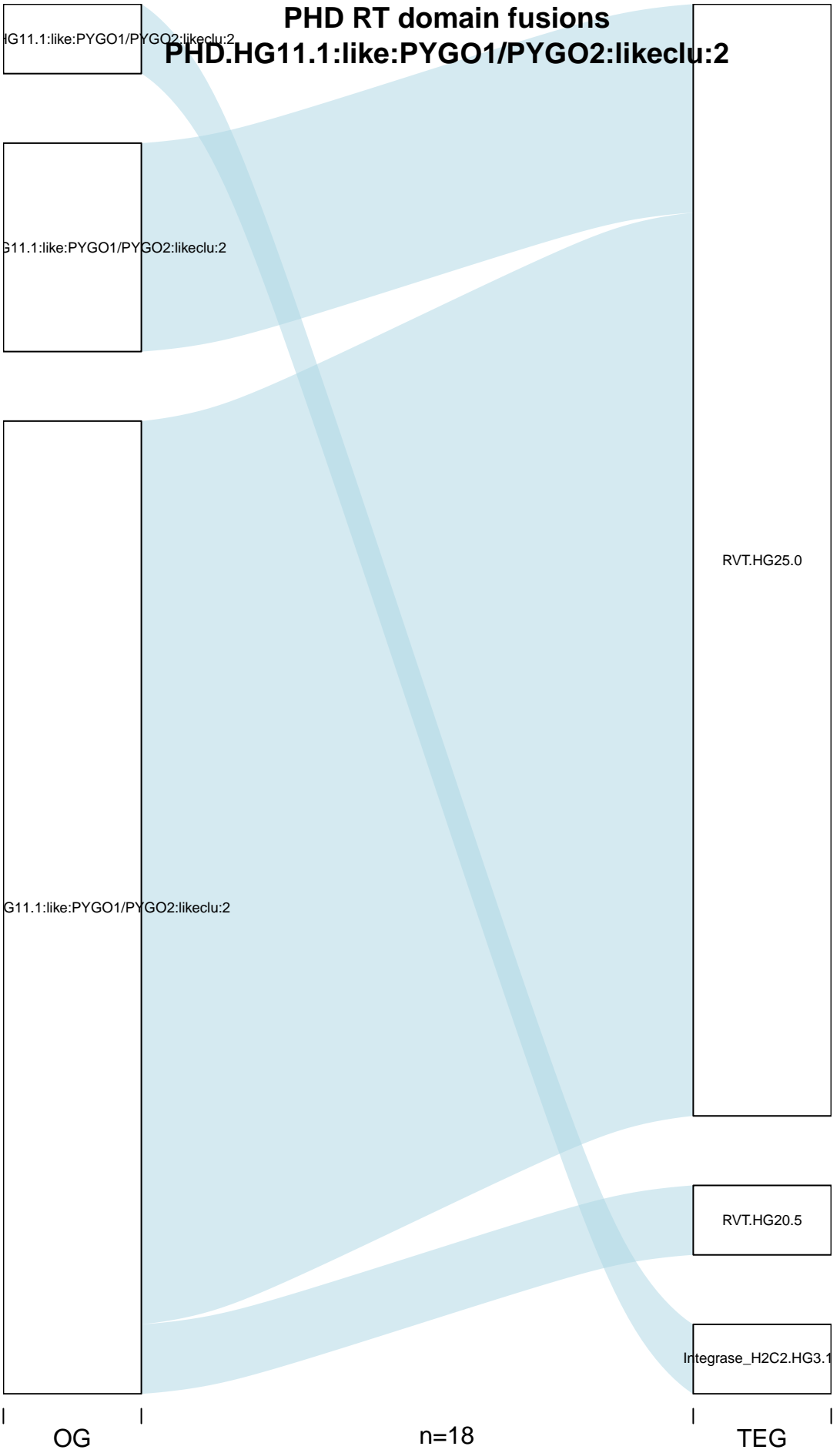
RVT.HG20.5

Integrase\_H2C2.HG3.1

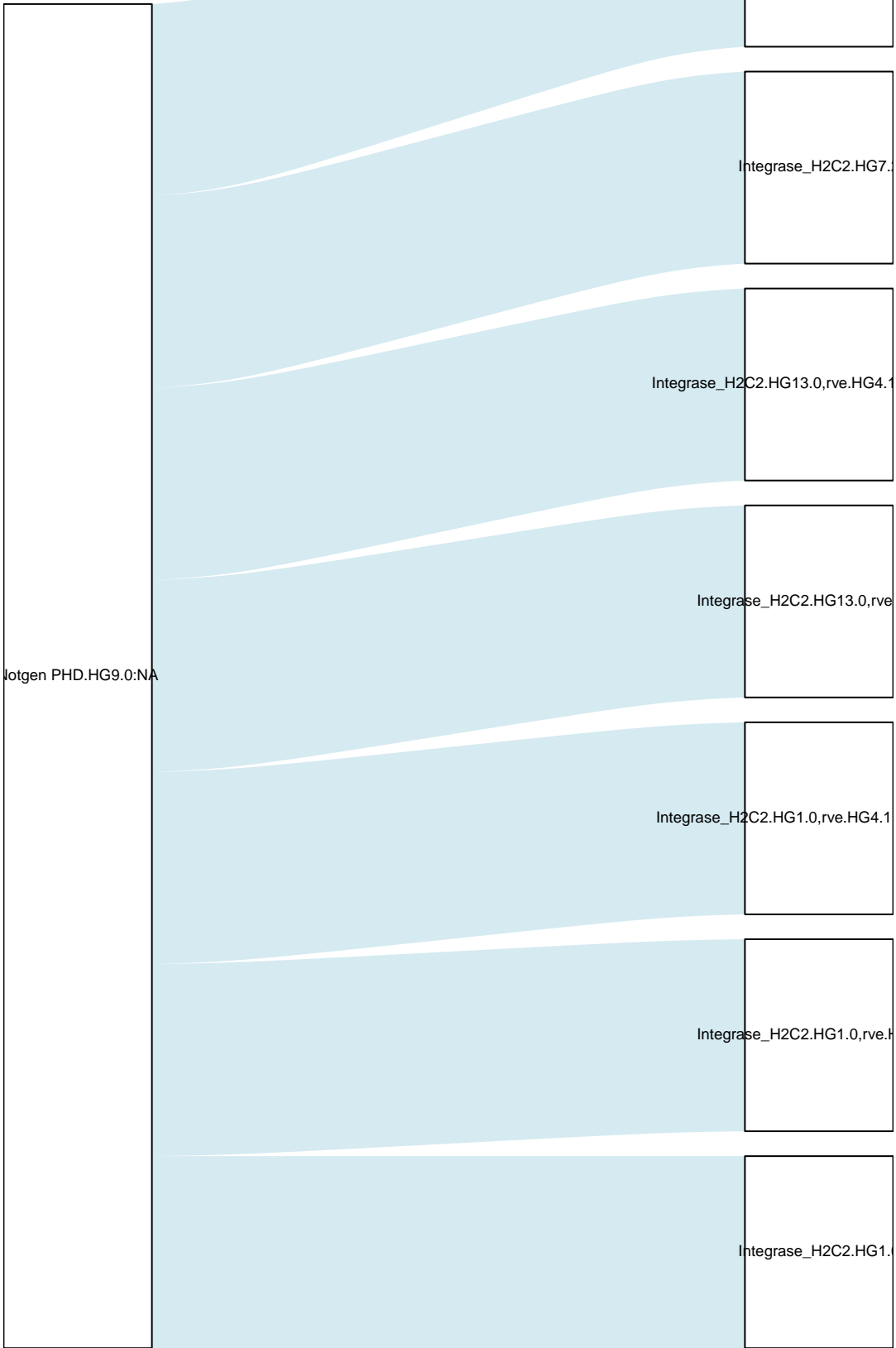
OG

n=18

TEG



# PHD RT domain fusions PHD.HG9.0:NA

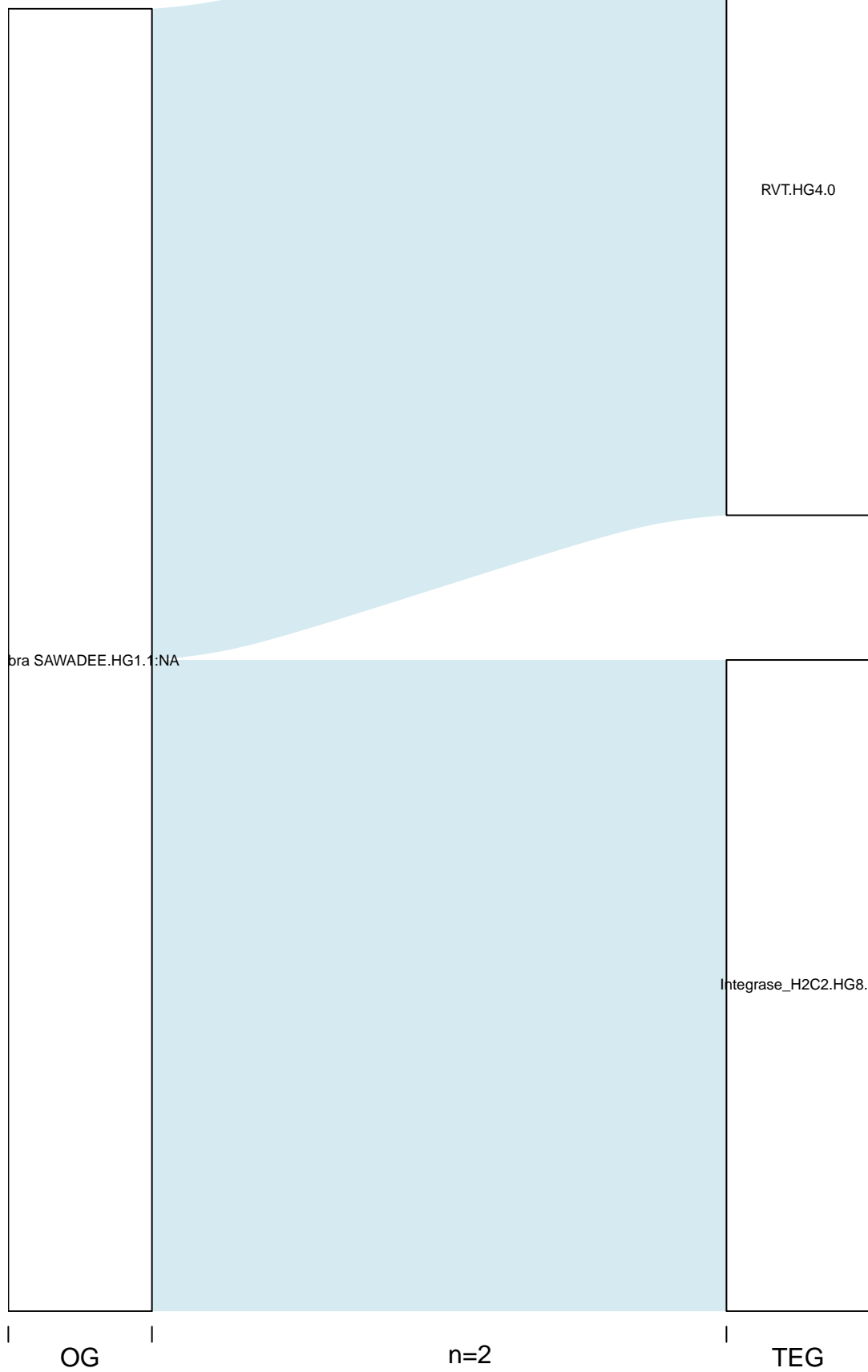


Integrase\_H2C2.HG9.0:NA

**PWWP RT domain fusions**  
**PWWP.HG1.8:AC098650.1/GLYR1/HDGFL1/HD...**

vir PWWP.HG1.8:AC098650.1/GLYR1/HDGFL1/HD... is RVT.HG:

# SAWADEE RT domain fusions SAWADEE.HG1.1:NA



**TUDOR RT domain fusions**  
**TUDOR.HG1.4:like:AKAP1/RNF17/SND1/STK...**

aur TUDOR.HG1.4:like:AKAP1/RNF17/SND1/STK... is RVT.HG5



**TUDOR RT domain fusions**  
**TUDOR.HG1.28:like:TDRD6/TDRD15:likecl...**

!.HG1.28:like:TDRD6/TDRD15:likecl... is Integrase\_H2C2.HG1.2i

**TUDOR RT domain fusions**  
**TUDOR.HG1.42:like:AKAP1:likeclu:43**

Mlei TUDOR.HG1.42:like:AKAP1:likeclu:43 is RVT.HG3.10

**TUDOR RT domain fusions**  
**TUDOR.HG1.33:like:AKAP1/RNF17/SND1/ST...**

orvir TUDOR.HG1.33:like:AKAP1/RNF17/SND1/ST... is RVT.HG2

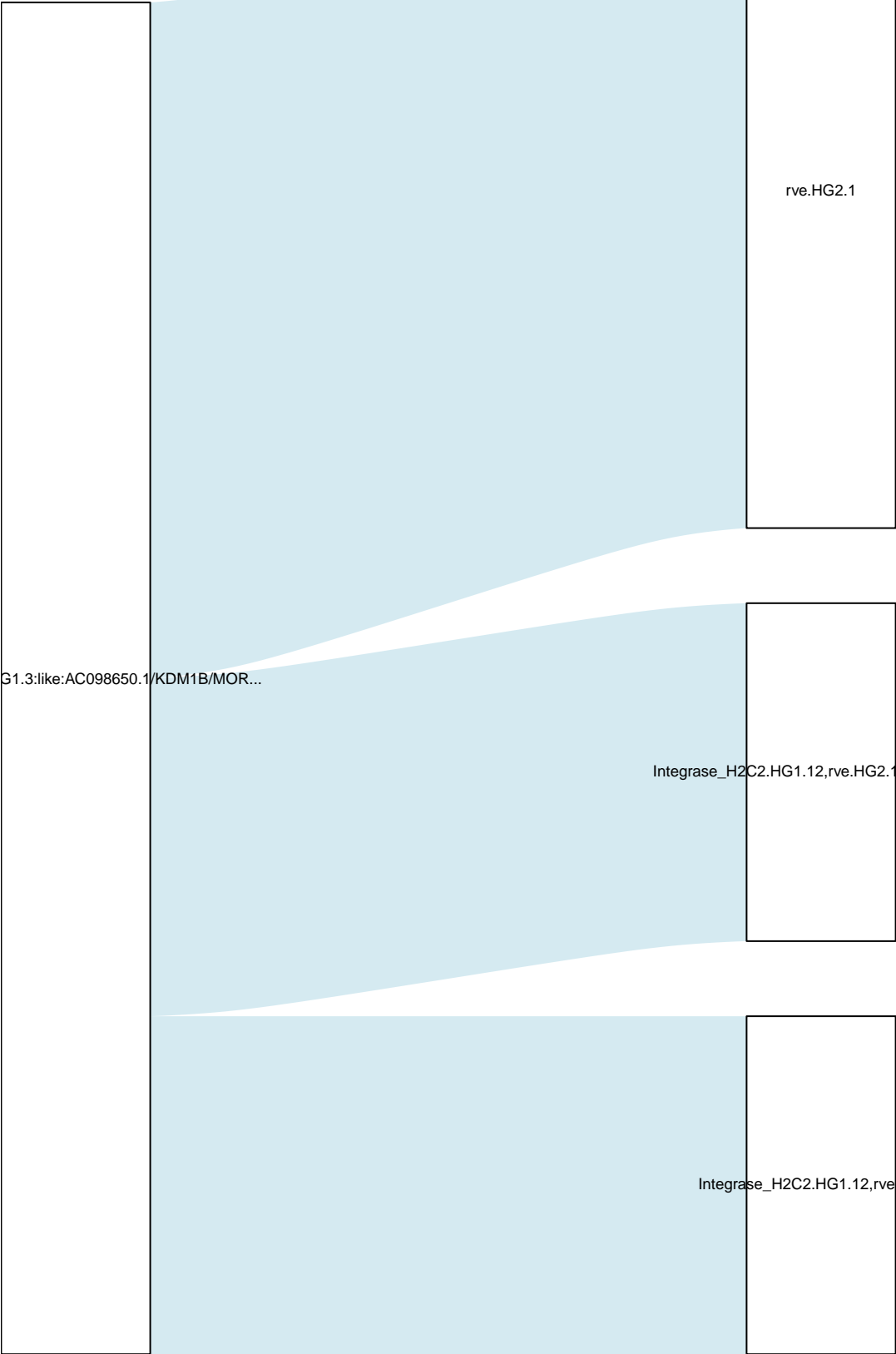
**TUDOR RT domain fusions**  
**TUDOR.HG1.20:TDRD6/TDRD15**

Morvir TUDOR.HG1.20:TDRD6/TDRD15 is RVT.HG28.17

**TUDOR RT domain fusions**  
**TUDOR.HG1.21:like:TDRD6/TDRD15:likecl...**

lorvir TUDOR.HG1.21:like:TDRD6/TDRD15:likecl... is RVT.HG20.

zf-CW RT domain fusions  
zf-CW.HG1.3:like:AC098650.1/KDM1B/MOR...



OG

n=4

TEG

**zf–CW RT domain fusions**  
**zf–CW.HG1.14:AC098650.1/ZCWPW2**

Morvir zf–CW.HG1.14:AC098650.1/ZCWPW2 is RVT.HG28.5

**zf–CW RT domain fusions**  
**zf–CW.HG1.16:MORC1/MORC2/MORC3/MORC4**

ir zf–CW.HG1.16:MORC1/MORC2/MORC3/MORC4 is RVT.HG2



# **YEATS RT domain fusions**

## **YEATS.HG1.6:YEATS2**

EATS.HG1.6:YEATS2 is Integrase\_H2C2.HG2.19,rve.HG1.20,Rv

**SNF2\_N RT domain fusions**  
**SNF2\_N.HG1.17:like:HLTF/TTF2:likeclu:...**

Bremin SNF2\_N.HG1.17:like:HLTF/TTF2:likeclu:... is rve.HG2.1

**SNF2\_N RT domain fusions**  
**SNF2\_N.HG7.7:like:RAD54B/RAD54L:likec...**

SNF2\_N.HG7.7:like:RAD54B/RAD54L:likec... is Integrase\_H2C2

# **SNF2\_N RT domain fusions**

## **SNF2\_N.HG11.1:BTAF1**

Morvir SNF2\_N.HG11.1:BTAF1 is RVT.HG47.12

# SNF2\_N RT domain fusions

## SNF2\_N.HG3.5:ERCC6L

Morvir SNF2\_N.HG3.5:ERCC6L is RVT.HG21.0

# **SNF2\_N RT domain fusions**

## **SNF2\_N.HG2.7:SMARCAD1**

Morvir SNF2\_N.HG2.7:SMARCAD1 is RVT.HG20.9

# SNF2\_N RT domain fusions

## SNF2\_N.HG13.0:INO80

Morvir SNF2\_N.HG13.0:INO80 is RVT.HG20.5,RVT.HG21.11

**SNF2\_N RT domain fusions**  
**SNF2\_N.HG7.8:RAD54B/RAD54L**

Morvir SNF2\_N.HG7.8:RAD54B/RAD54L is RVT.HG5.12

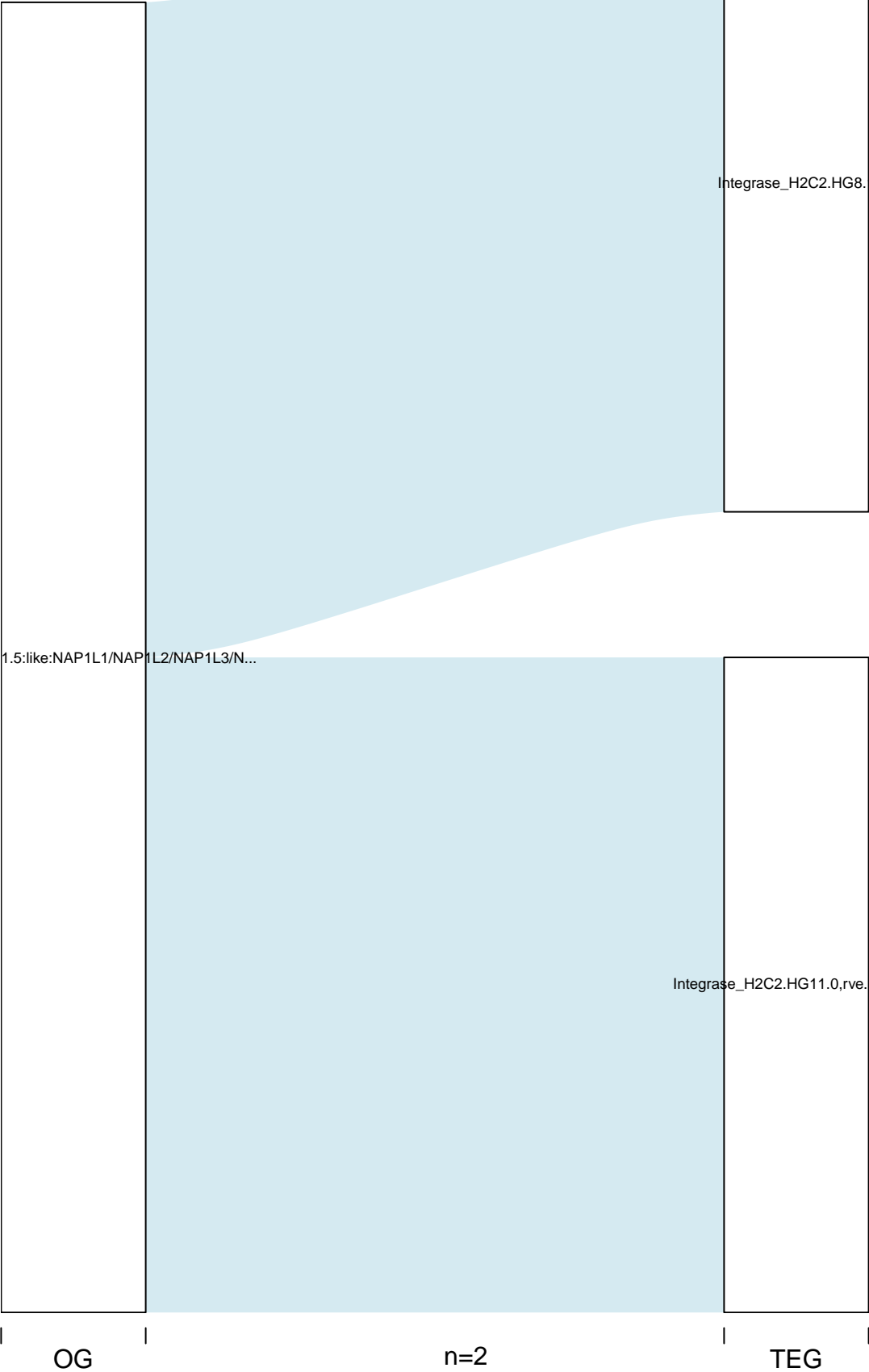


# Hira RT domain fusions

## Hira.HG1.0:HIRA

Skow Hira.HG1.0:HIRA is Integrase\_H2C2.HG3.22

**NAP RT domain fusions**  
**NAP.HG1.5:like:NAP1L1/NAP1L2/NAP1L3/N...**



**NAP RT domain fusions**  
**NAP.HG1.1:like:NAP1L1/NAP1L2/NAP1L3/N...**

NAP.HG1.1:like:NAP1L1/NAP1L2/NAP1L3/N... is Integrase\_H2C

# **SSrecog RT domain fusions**

## **SSrecog.HG1.1:SSRP1**

Hydvul SSrecog.HG1.1:SSRP1 is RVT.HG15.1

**Dpy-30 RT domain fusions**  
**Dpy-30.HG1.6:like:NME5:likeclu:7**

Dpy-30.HG1.6:like:NME5:likeclu:7 is Integrase\_H2C2.HG8.1,rve

**PTIP RT domain fusions**  
**PTIP.HG1.15:like:BRCA1/ECT2/MCPH1/PAX...**

dvul PTIP.HG1.15:like:BRCA1/ECT2/MCPH1/PAX... is RVT.HG1:

**PTIP RT domain fusions**  
**PTIP.HG1.33:BRCA1**

Morvir PTIP.HG1.33:BRCA1 is RVT.HG21.6

**PTIP RT domain fusions**  
**PTIP.HG1.25:MCPH1**

Spur PTIP.HG1.25:MCPH1 is RVT.HG51.4



**PCRing RT domain fusions**  
**PCRing.HG0.1:BMI1/COMMD3–BMI1/PCGF1/P...**

jen PCRing.HG0.1:BMI1/COMMD3–BMI1/PCGF1/P... is RVT.HG

**SAM RT domain fusions**  
**SAM.HG3.14:like:ANKS1A/ANKS1B/CASKIN1...**

ike:ANKS1A/ANKS1B/CASKIN1... is Integrase\_H2C2.HG2.19,rv

# **SAM RT domain fusions**

## **SAM.HG1.3:SAMHD1**

Morvir SAM.HG1.3:SAMHD1 is RVT.HG27.1

**SAM RT domain fusions**  
**SAM.HG3.1:like:ANKS1A/ANKS1B/CASKIN1/...**

ce:ANKS1A/ANKS1B/CASKIN1/... is Integrase\_H2C2.HG4.4,rve.

# Kelch RT domain fusions

## Kelch.HG0.14:KLHDC3

libra Kelch.HG0.14:KLHDC3 is Integrase\_H2C2.HG16.0,RVT.HG4