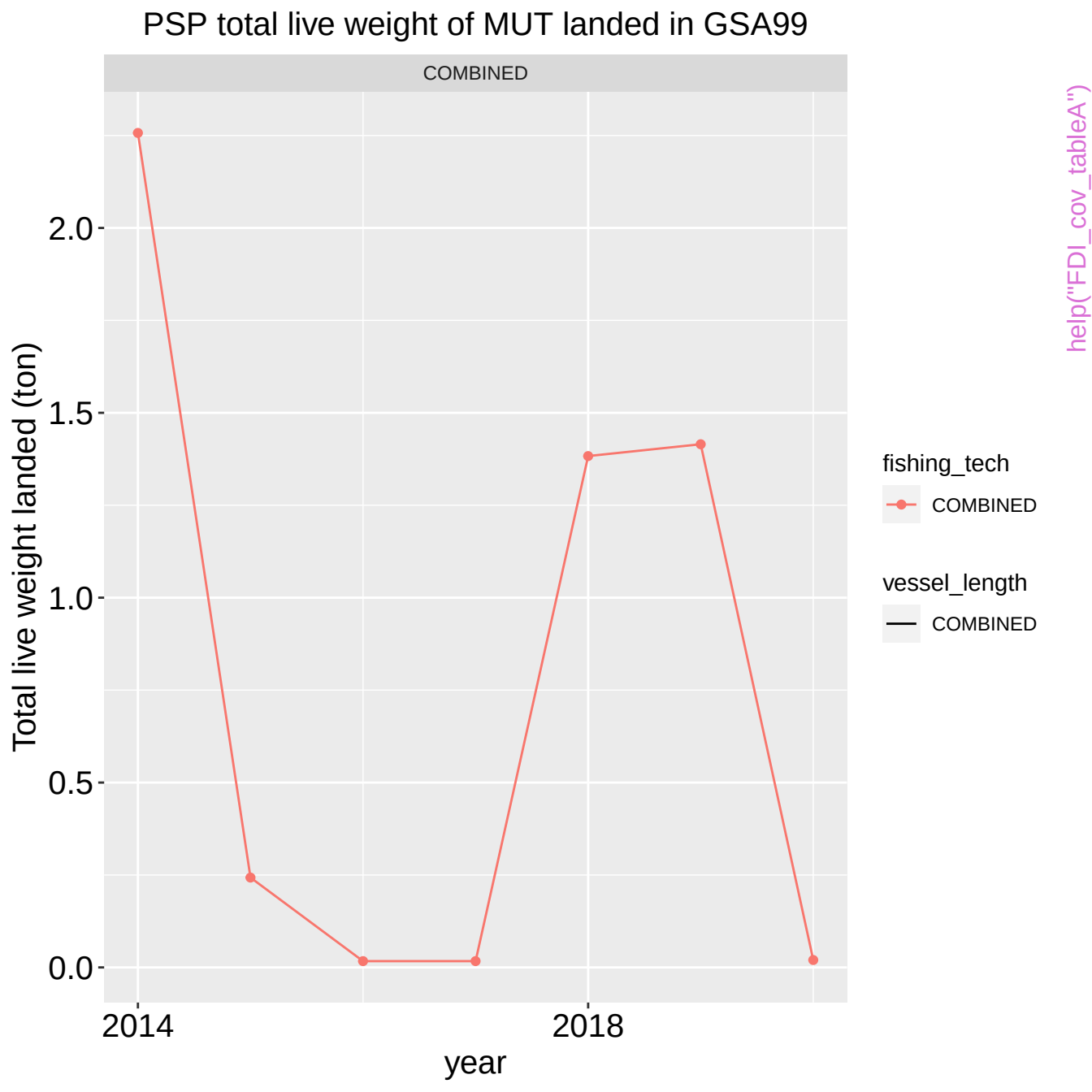
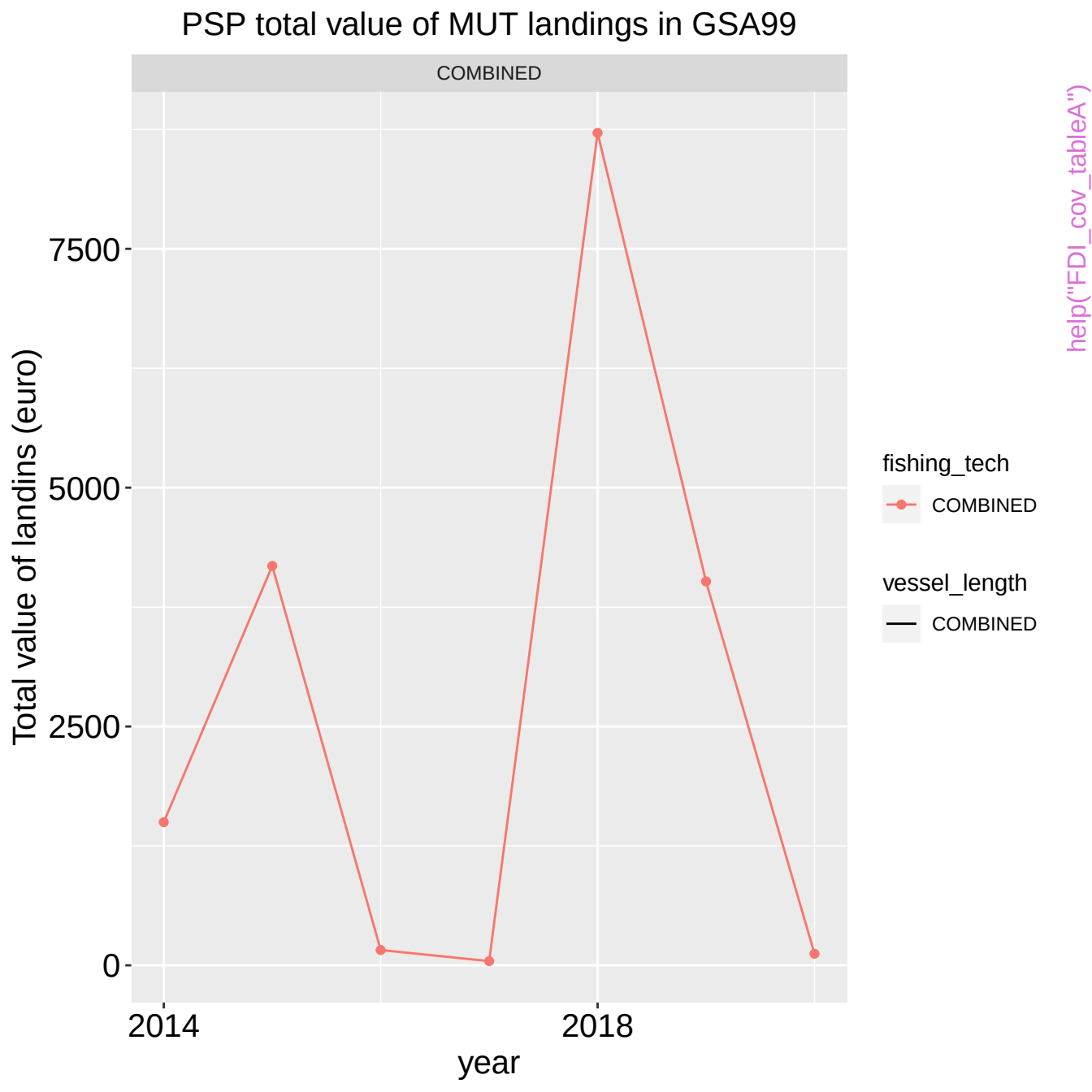
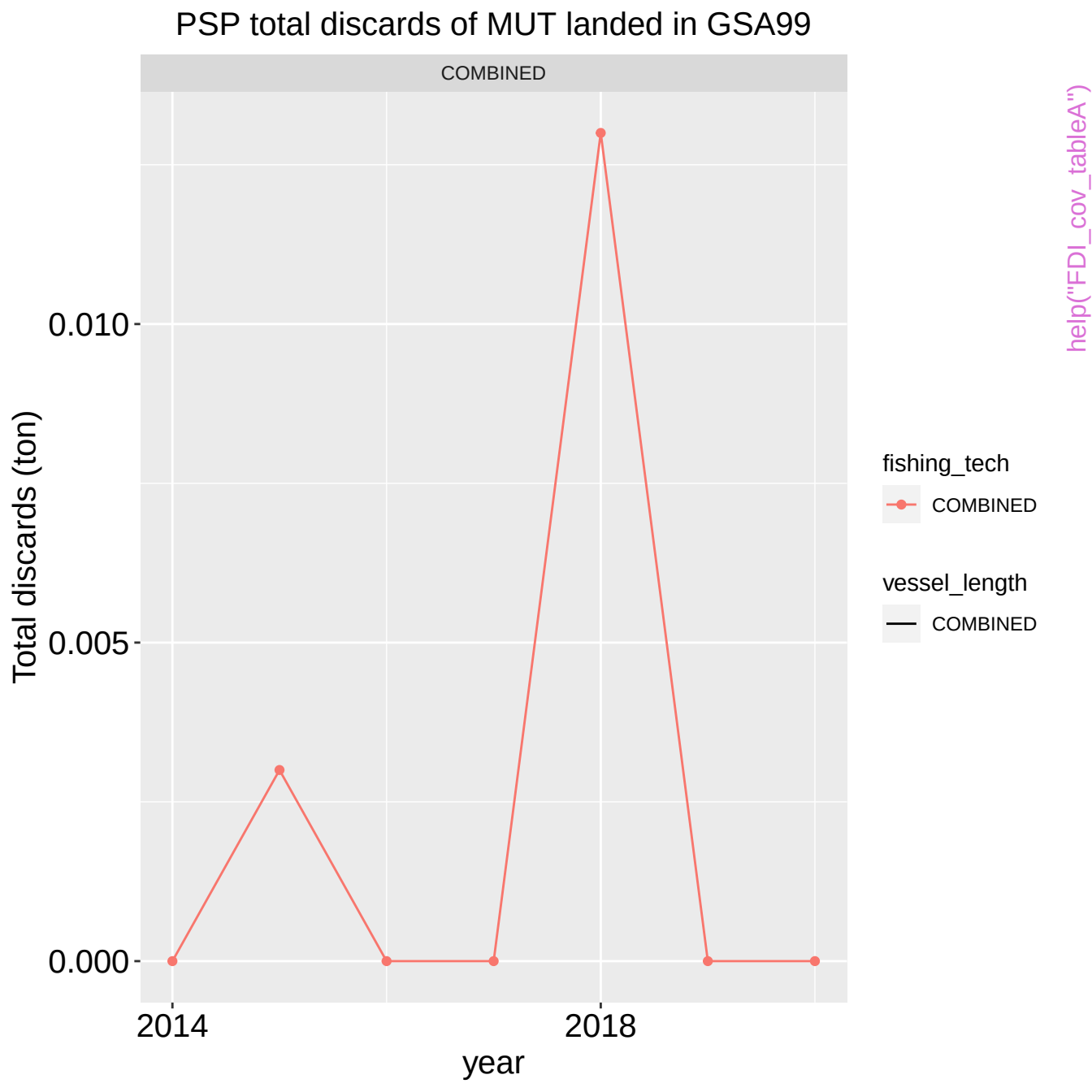
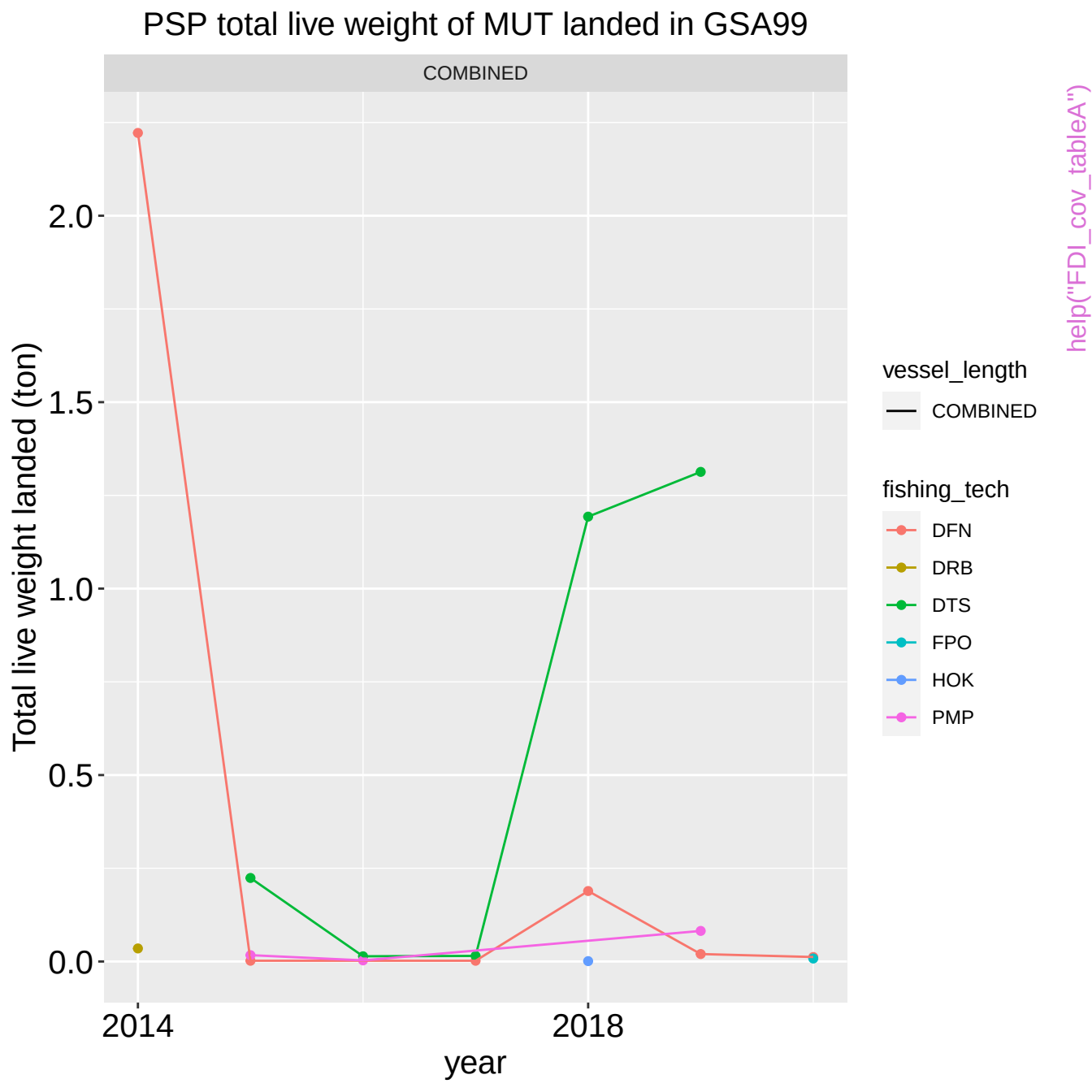
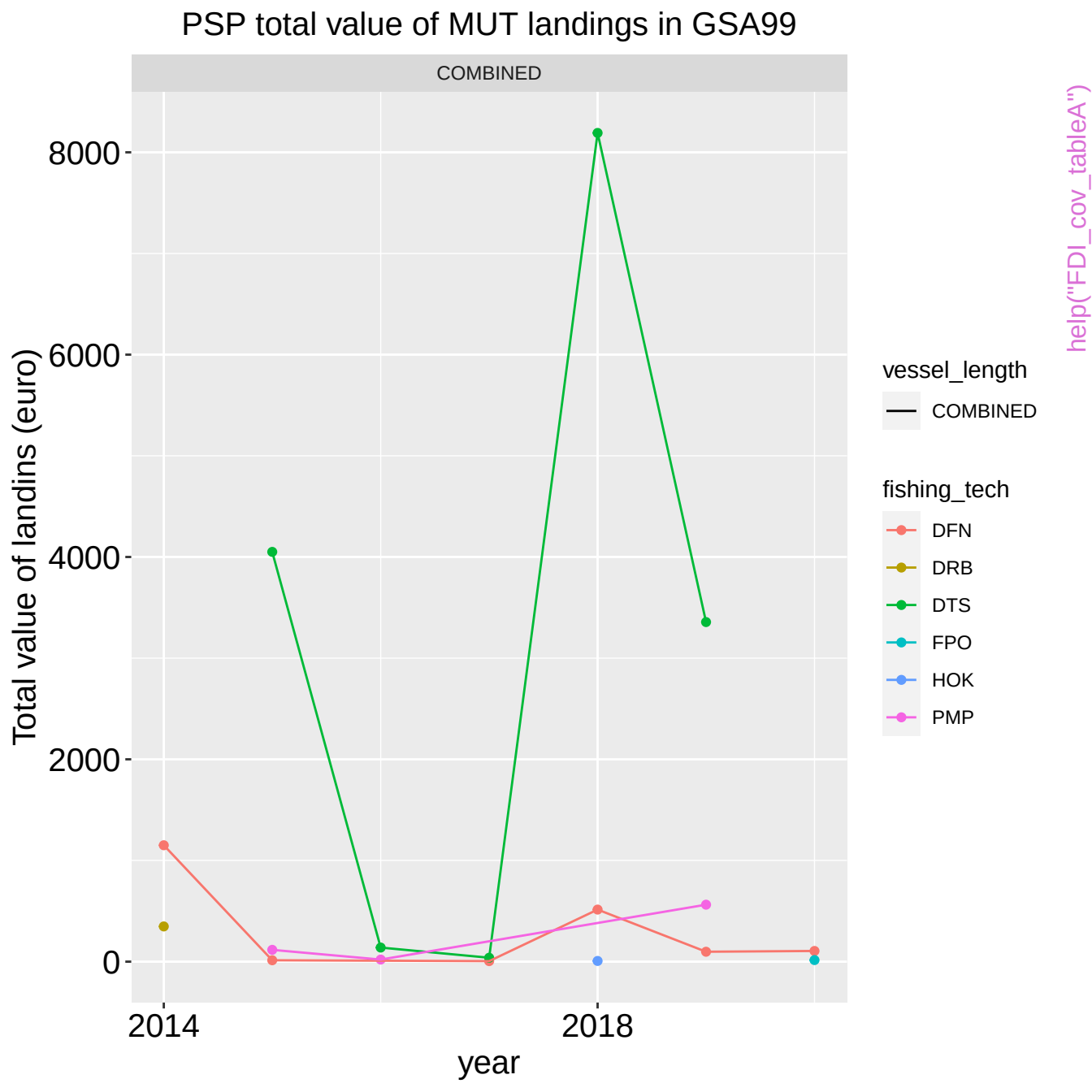
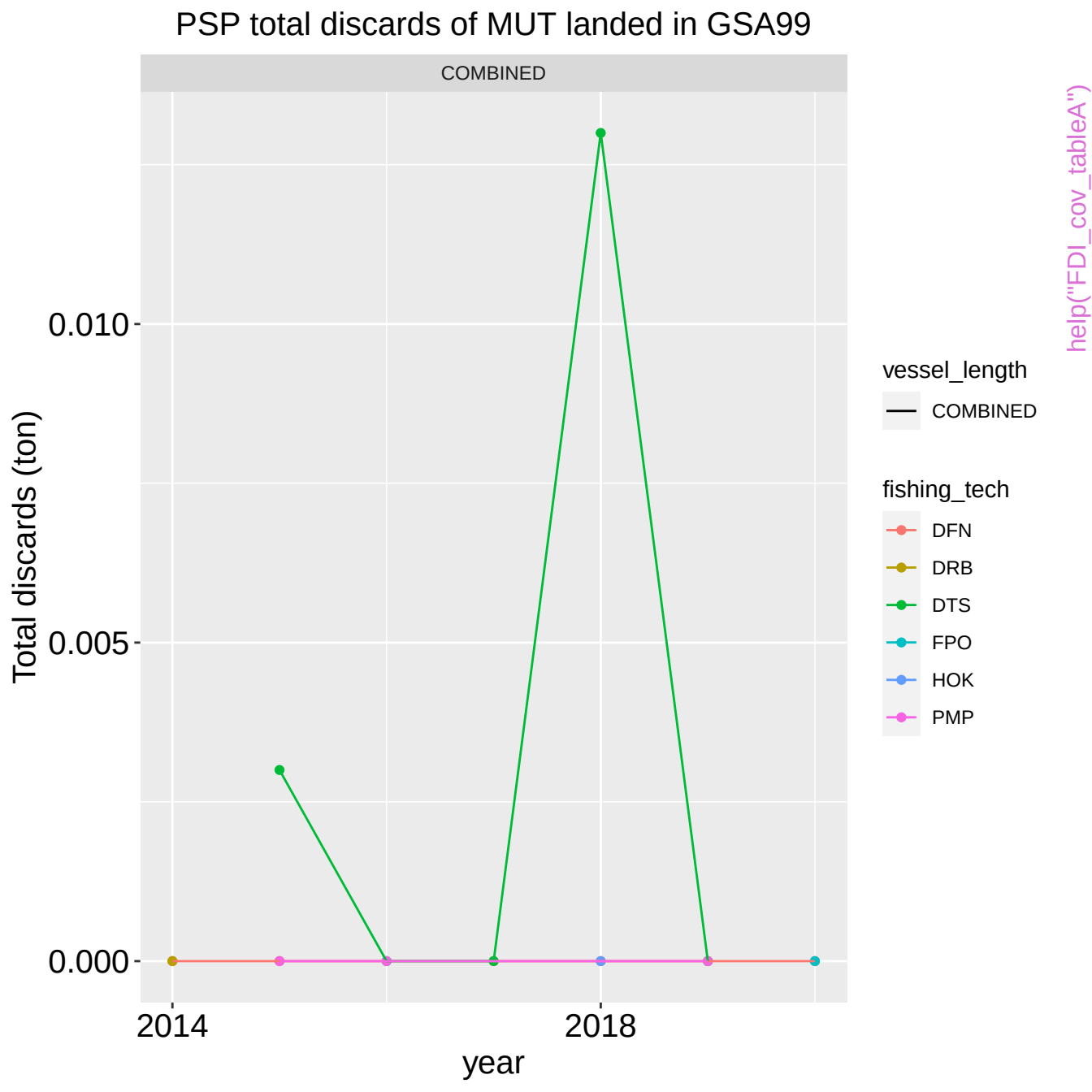

PSP total live weight of MUT landed in GSA99
COMBINED
Total live weight landed (ton)
2.0
1.5
1.0
0.5
0.0
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

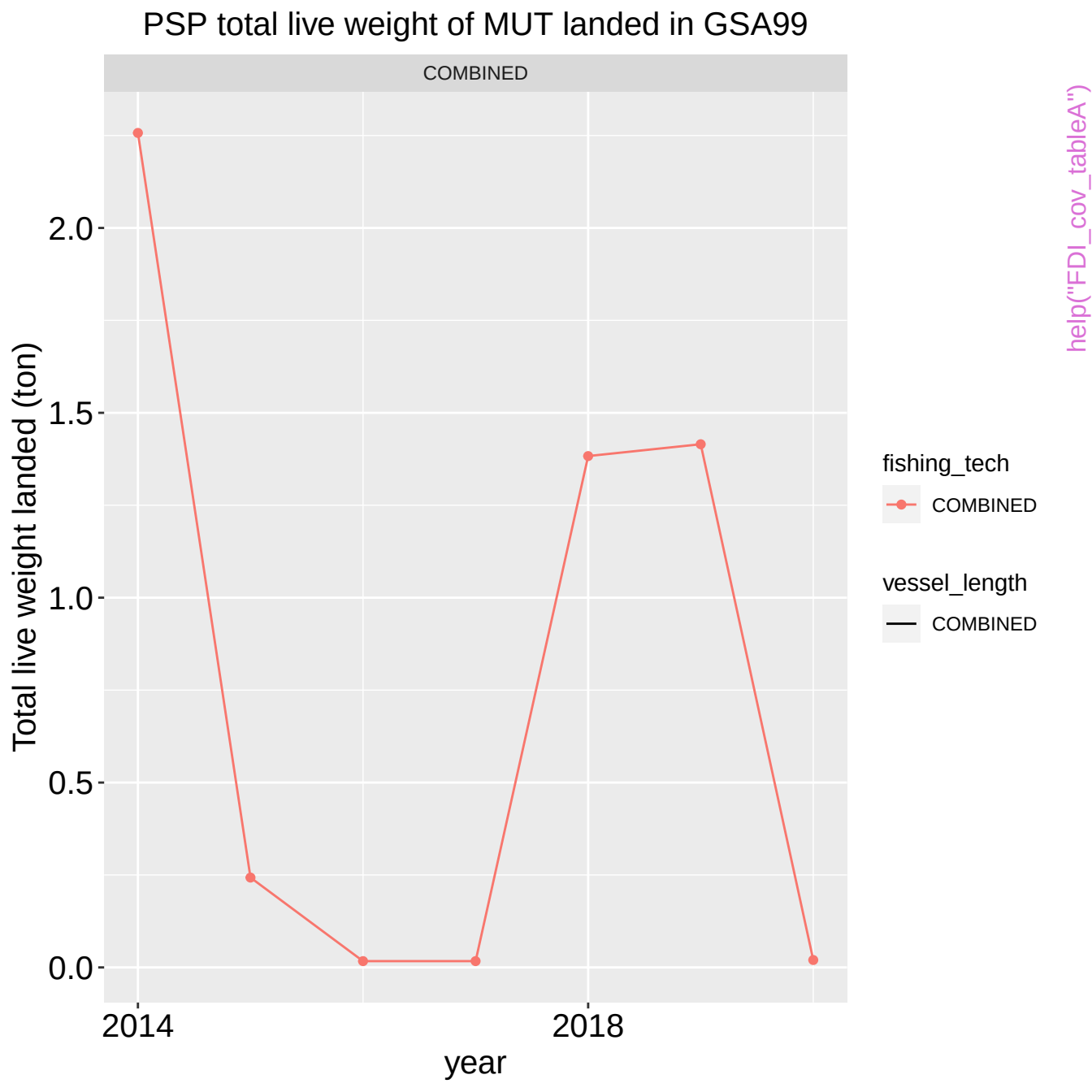

PSP total value of MUT landings in GSA99
COMBINED
Total value of landins (euro)
7500
5000
2500
0
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

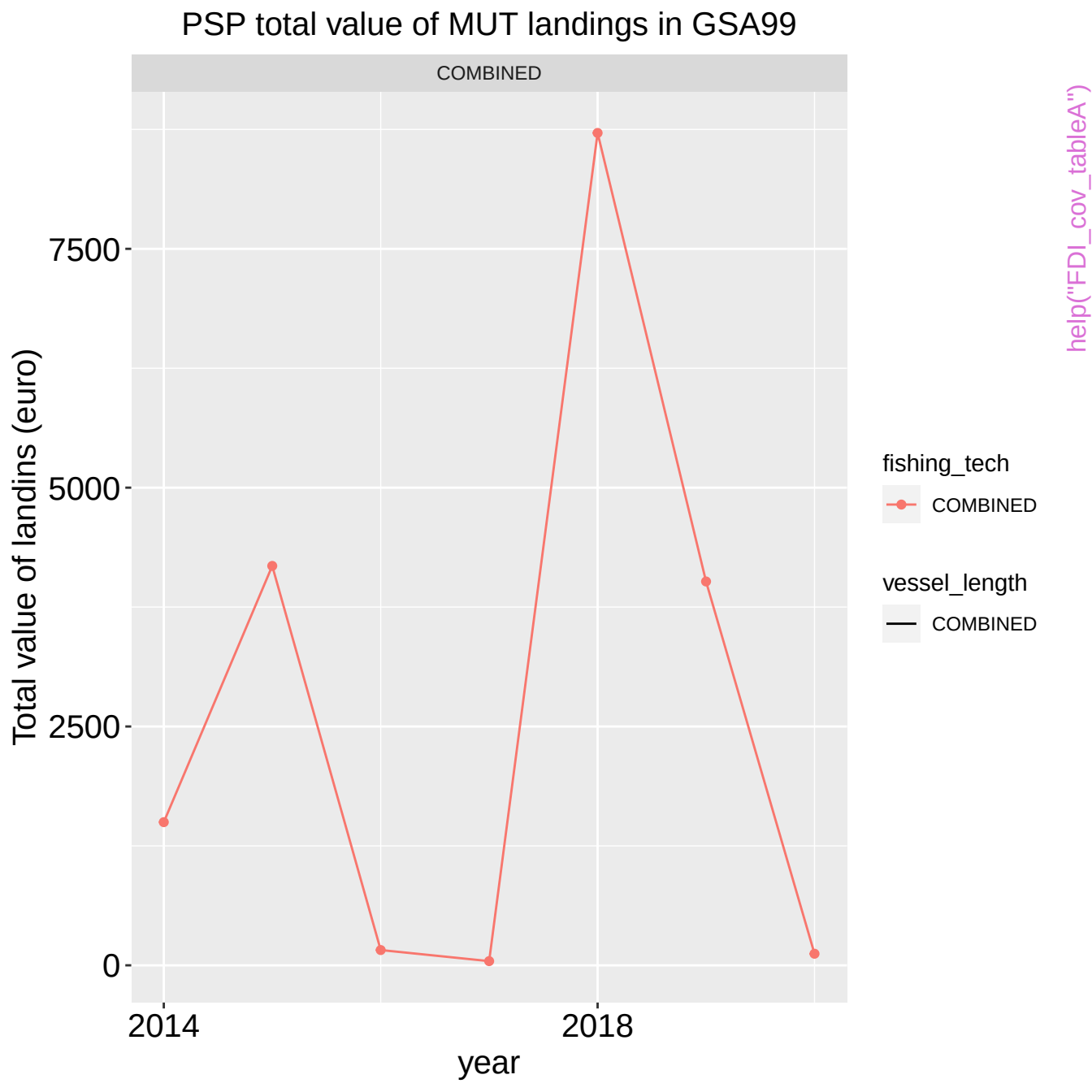

PSP total discards of MUT landed in GSA99
COMBINED
Total discards (ton)
0.010
0.005
0.000
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

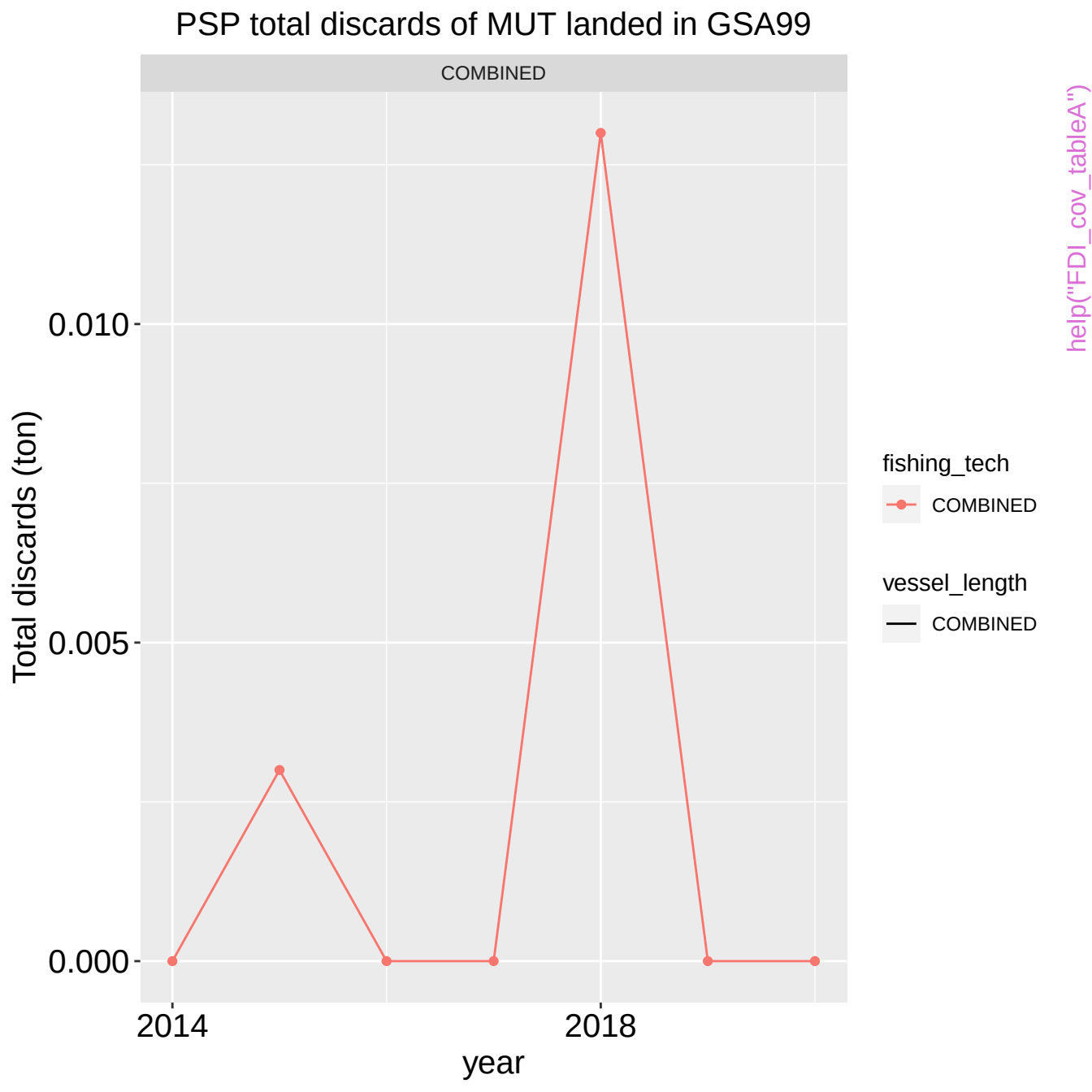

PSP total live weight of MUT landed in GSA99
COMBINED
Total live weight landed (ton)
2.0
1.5
1.0
0.5
0.0
2014
2018
year
vessel_length
COMBINED
fishing_tech
DFN
DRB
DTS
FPO
HOK
PMP
help("FDI_cov_tableA")

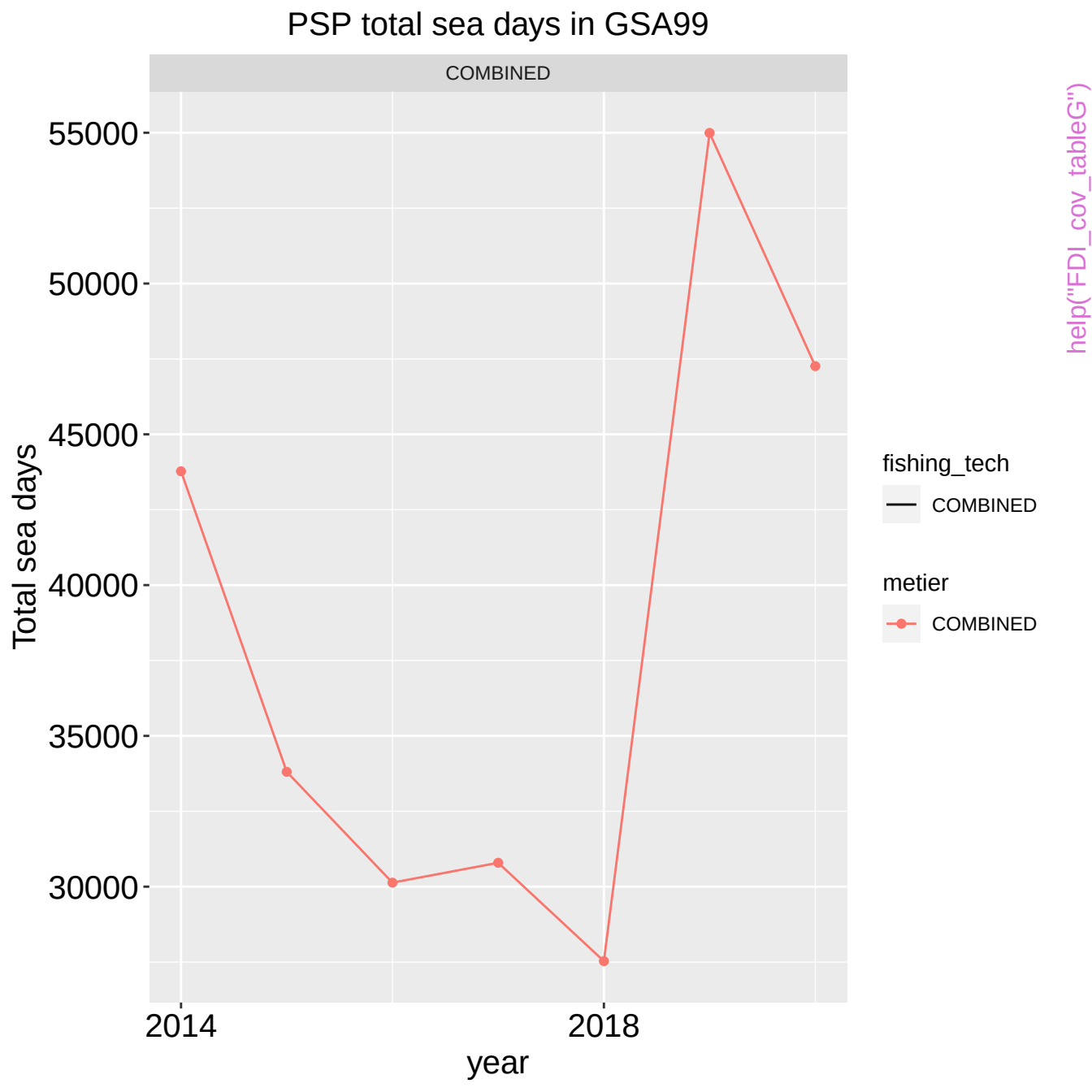

PSP total value of MUT landings in GSA99
COMBINED
Total value of landins (euro)
8000
6000
4000
2000
0
2014
2018
year
vessel_length
COMBINED
fishing_tech
DFN
DRB
DTS
FPO
HOK
PMP
help("FDI_cov_tableA")

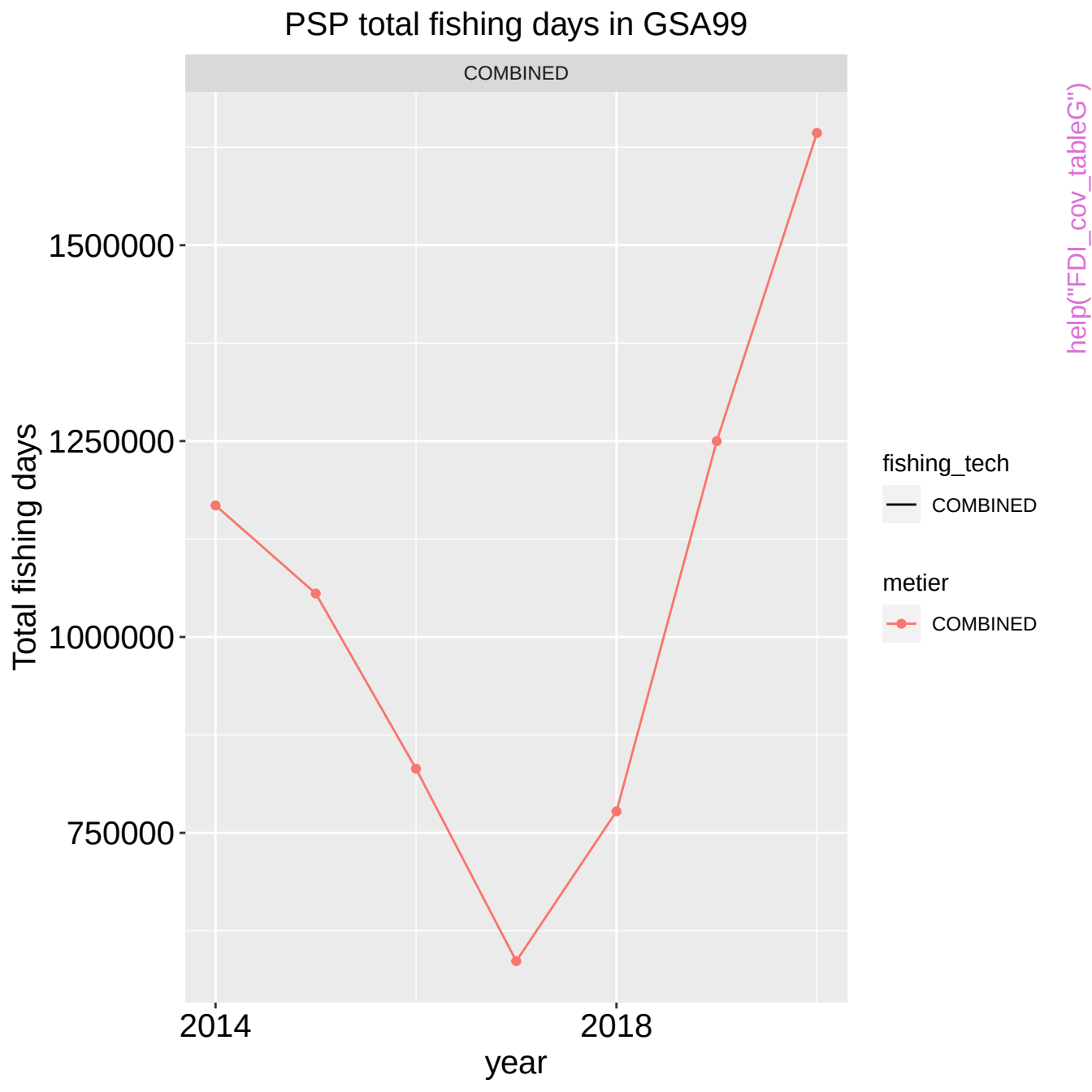

PSP total discards of MUT landed in GSA99
COMBINED
0.010
0.005
0.000
Total discards (ton)
2014
2018
year
vessel_length
COMBINED
fishing_tech
DFN
DRB
DTS
FPO
HOK
PMP
help("FDI_cov_tableA")

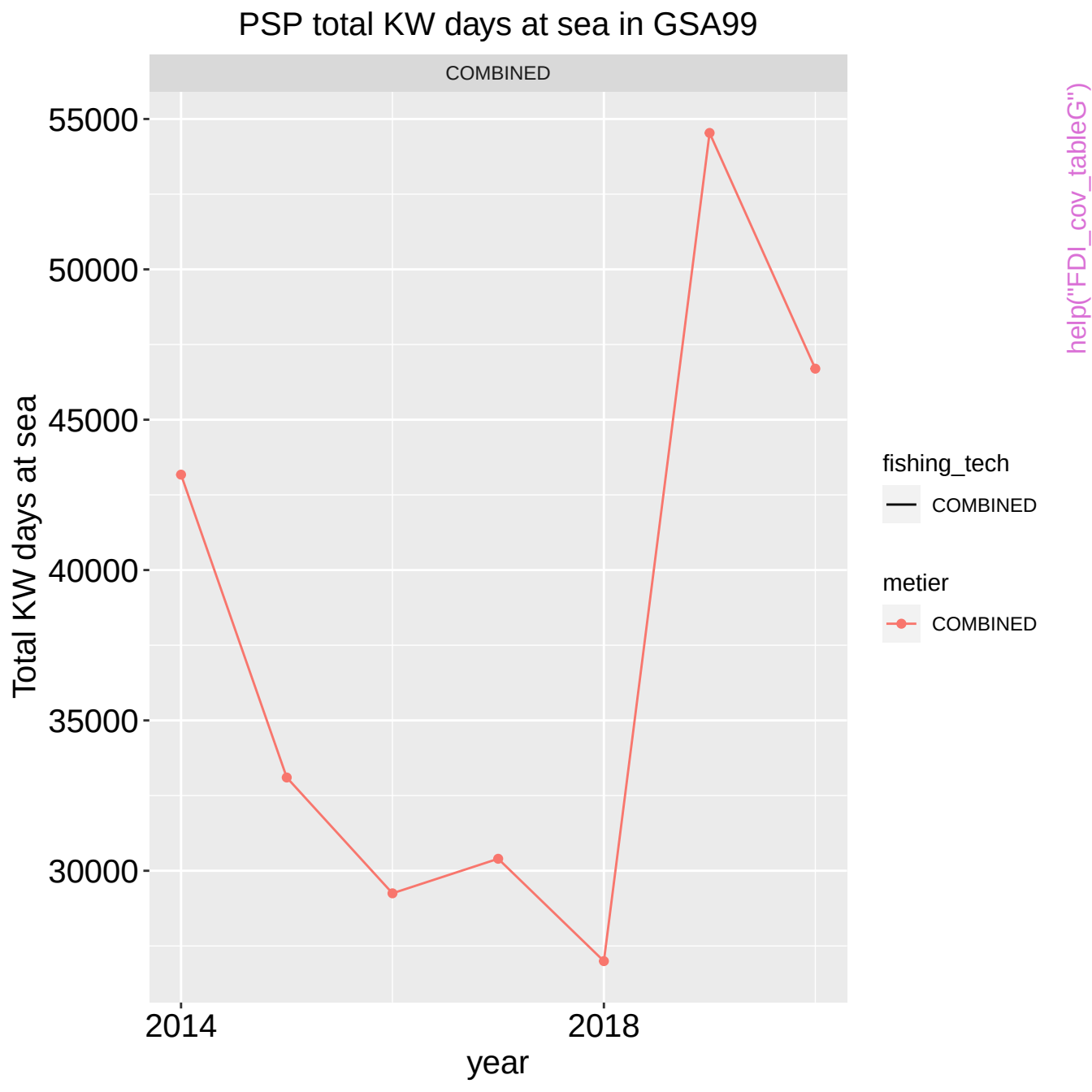

PSP total live weight of MUT landed in GSA99
COMBINED
Total live weight landed (ton)
2.0
1.5
1.0
0.5
0.0
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

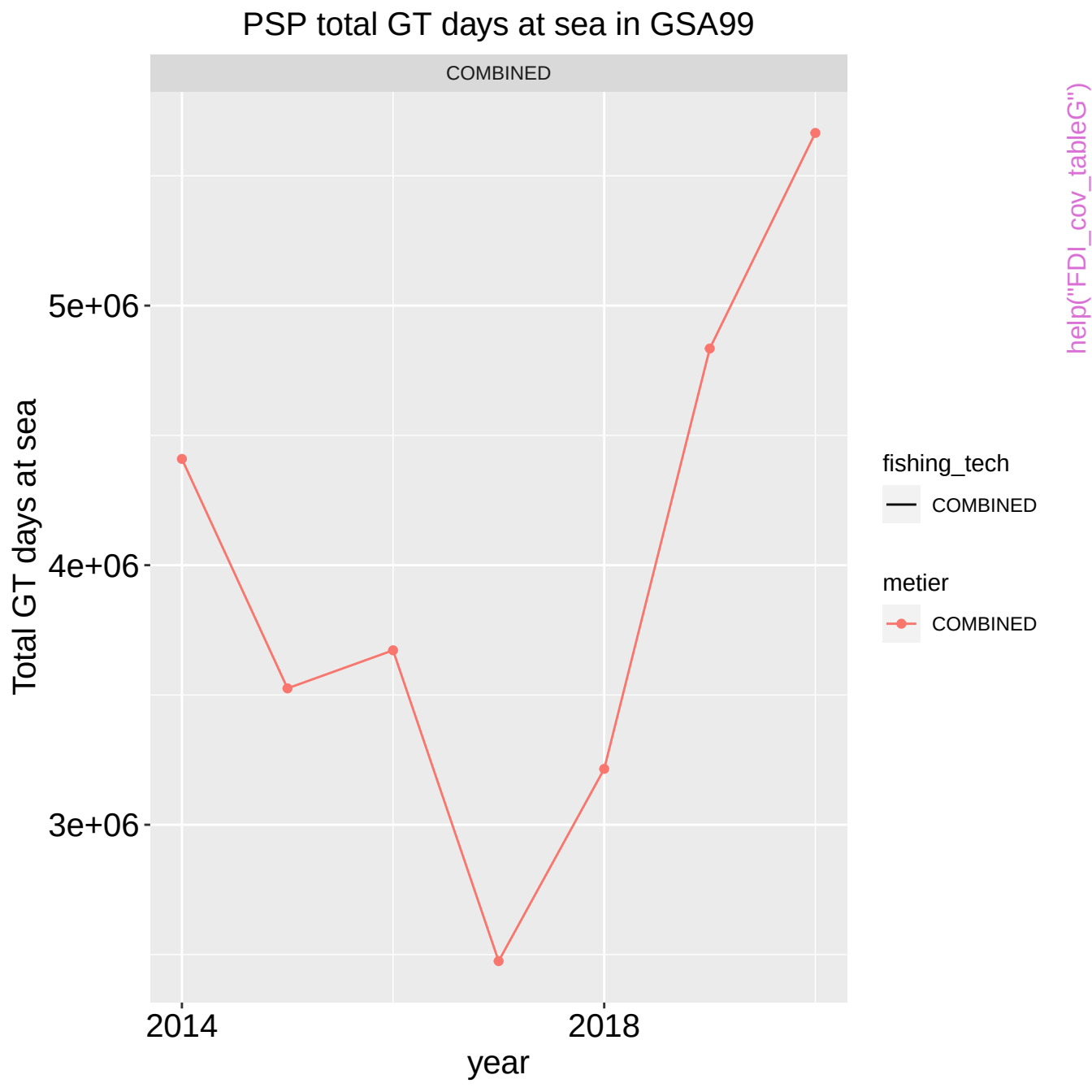

PSP total value of MUT landings in GSA99
COMBINED
Total value of landins (euro)
7500
5000
2500
0
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

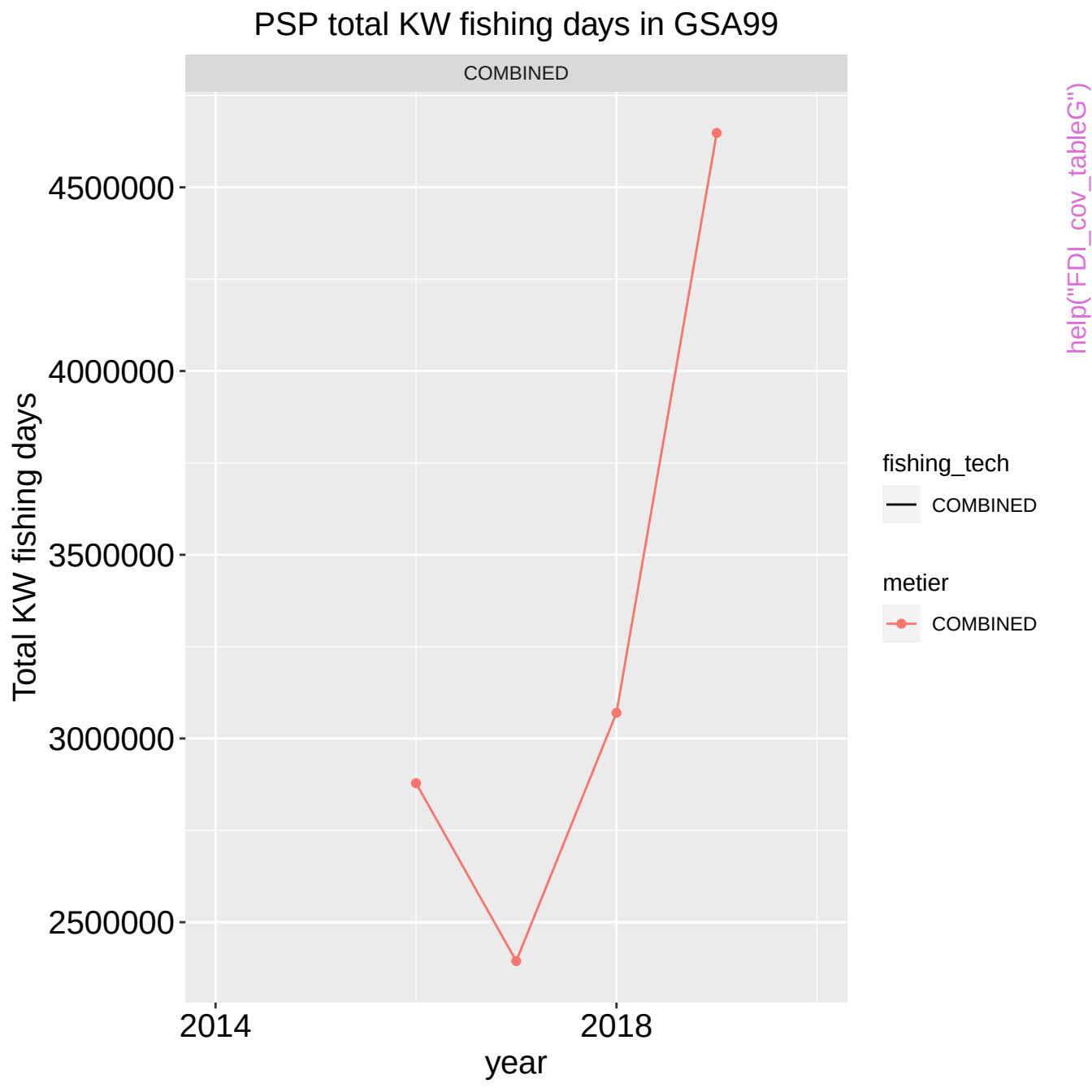

PSP total discards of MUT landed in GSA99
COMBINED
Total discards (ton)
0.010
0.005
0.000
2014
2018
year
fishing_tech
COMBINED
vessel_length
COMBINED
help("FDI_cov_tableA")

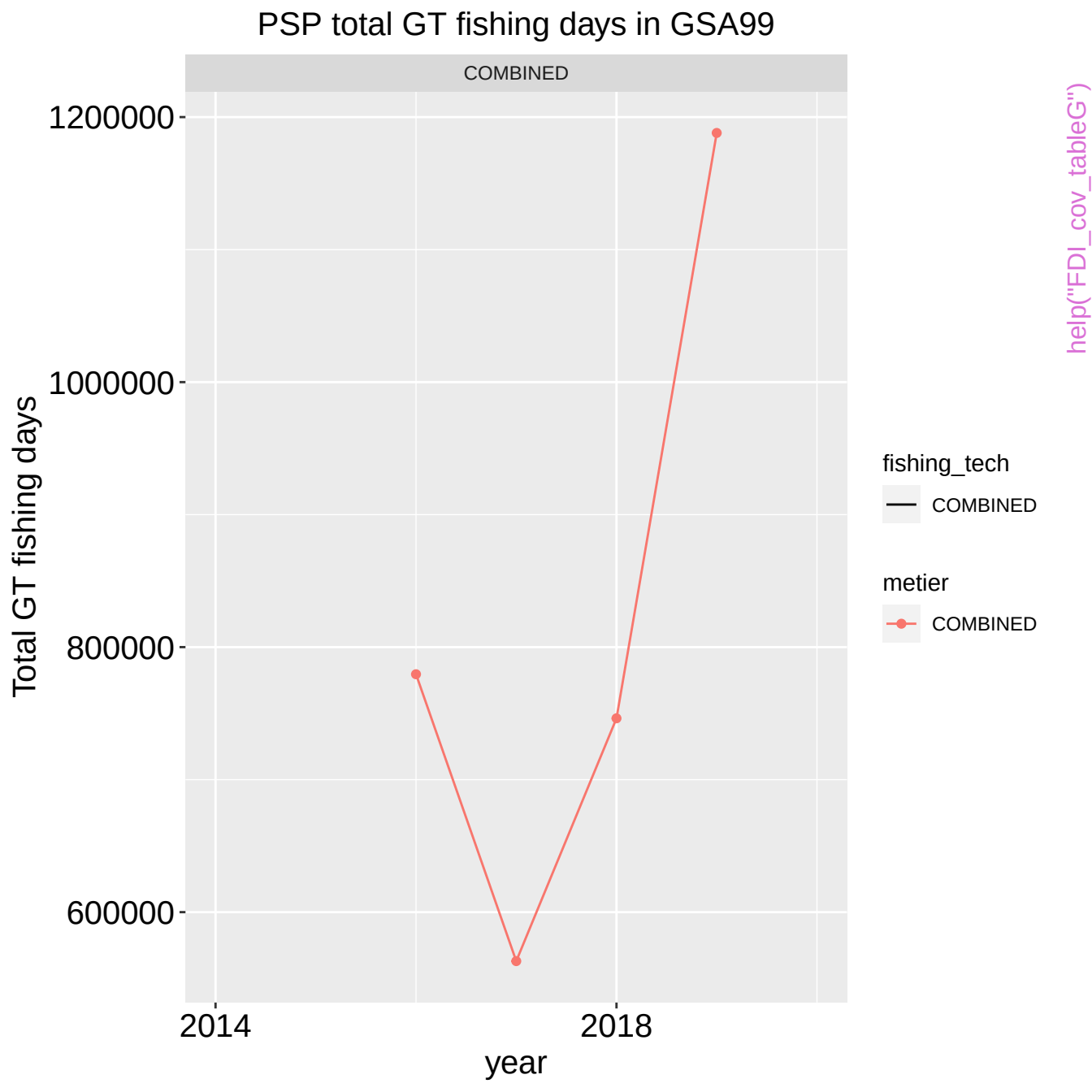

PSP total sea days in GSA99
COMBINED
55000
50000
45000
40000
35000
30000
Total sea days
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

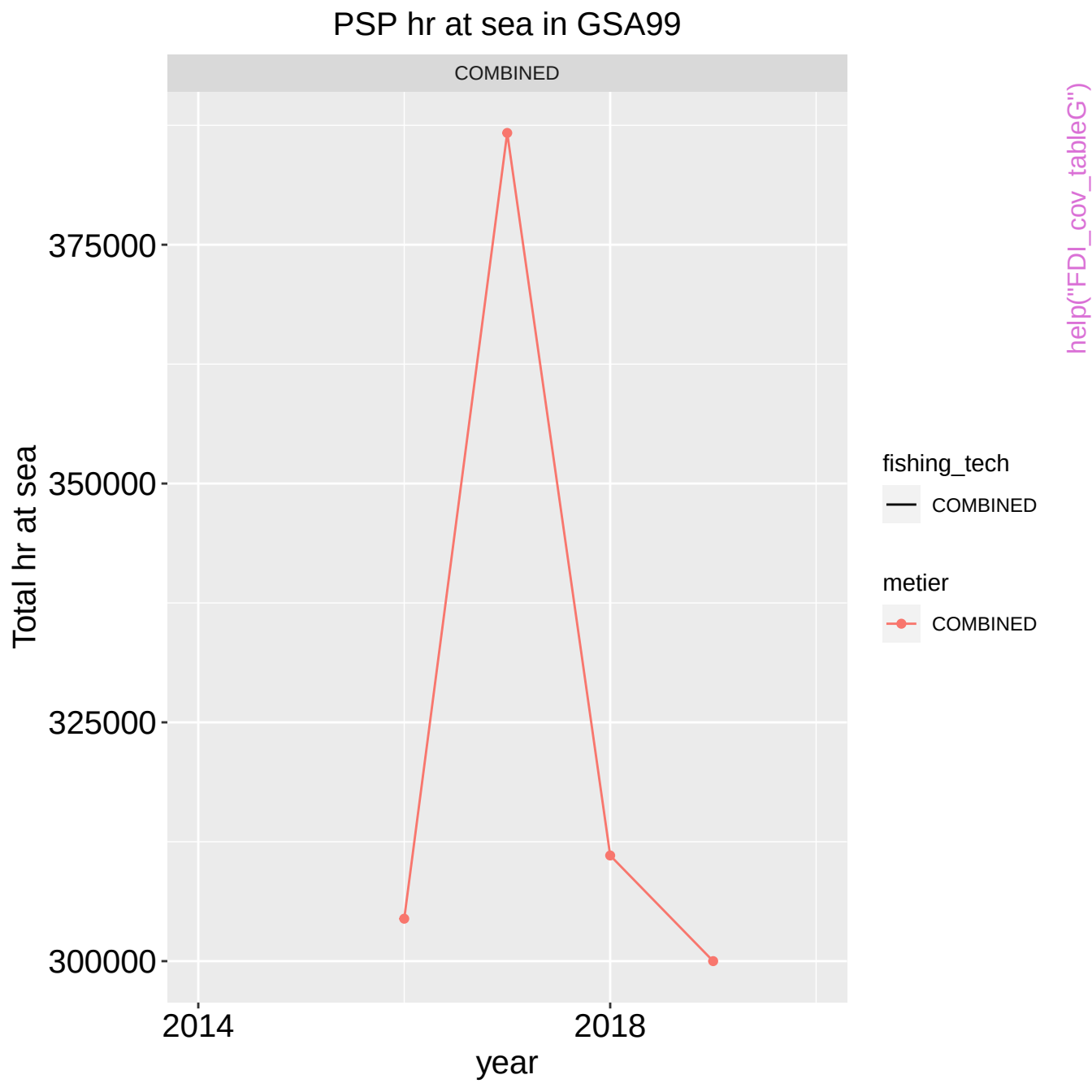

PSP total fishing days in GSA99
COMBINED
Total fishing days
1500000
1250000
1000000
750000
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

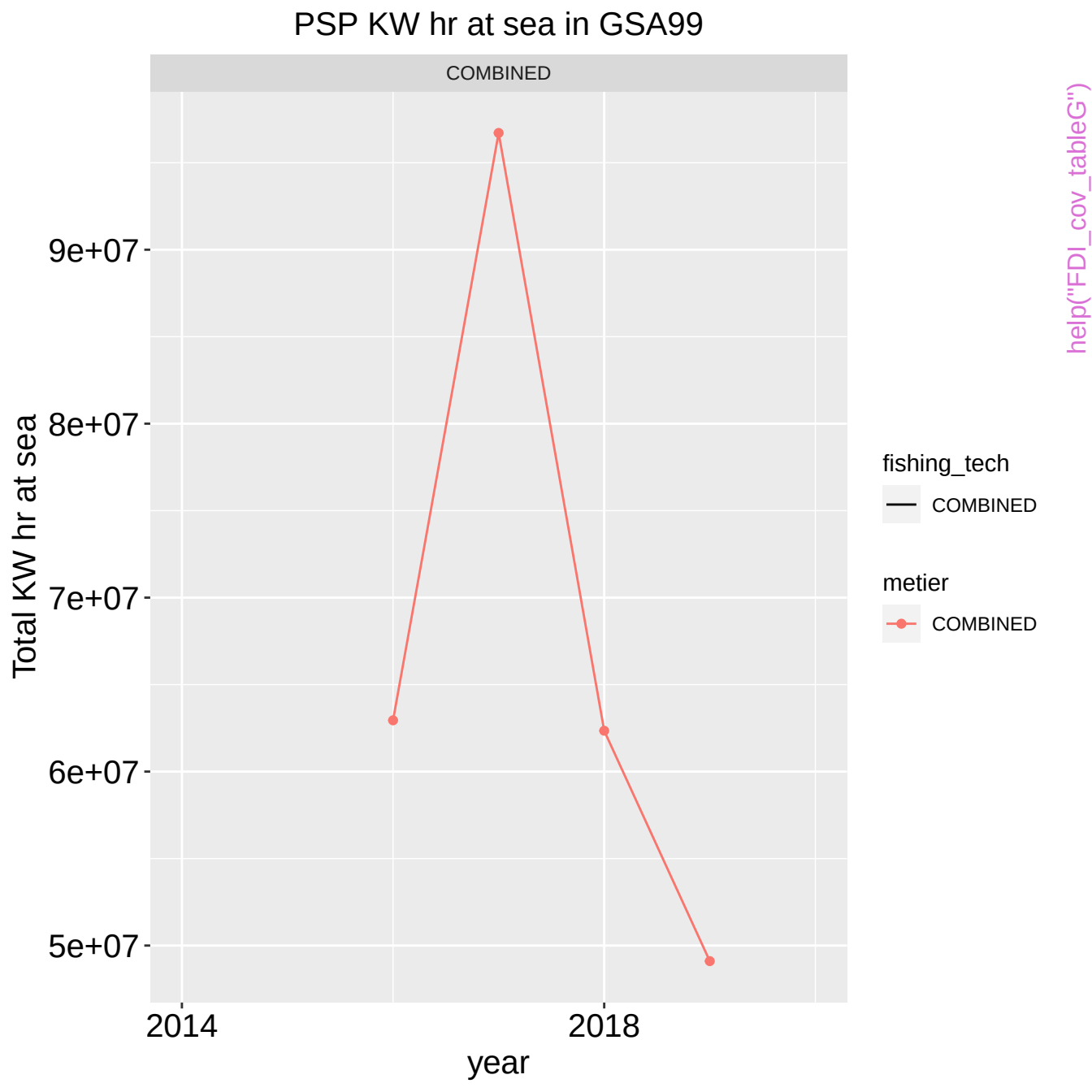

PSP total KW days at sea in GSA99
COMBINED
55000
50000
45000
40000
35000
30000
Total KW days at sea
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

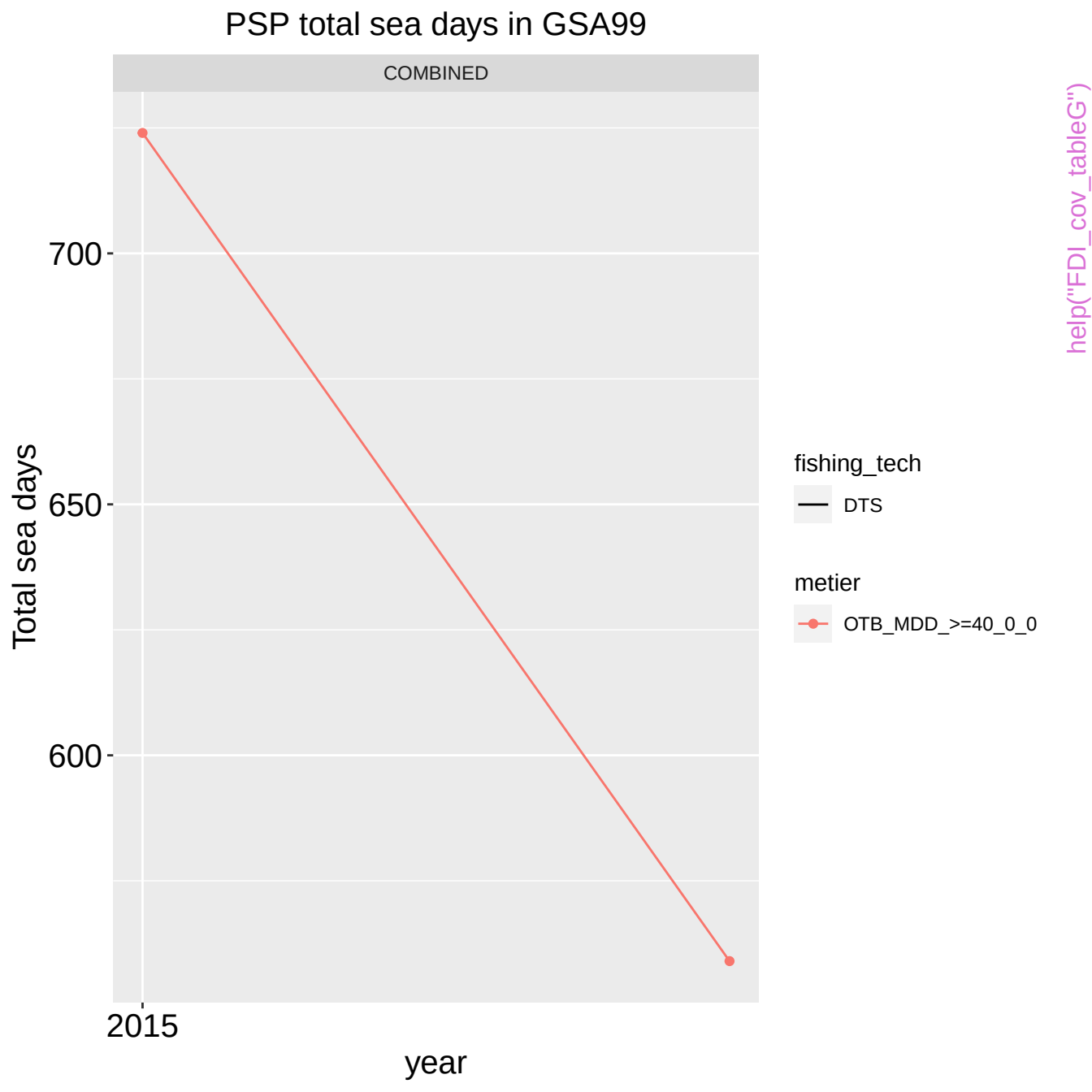

PSP total GT days at sea in GSA99
COMBINED
Total GT days at sea
5e+06
4e+06
3e+06
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

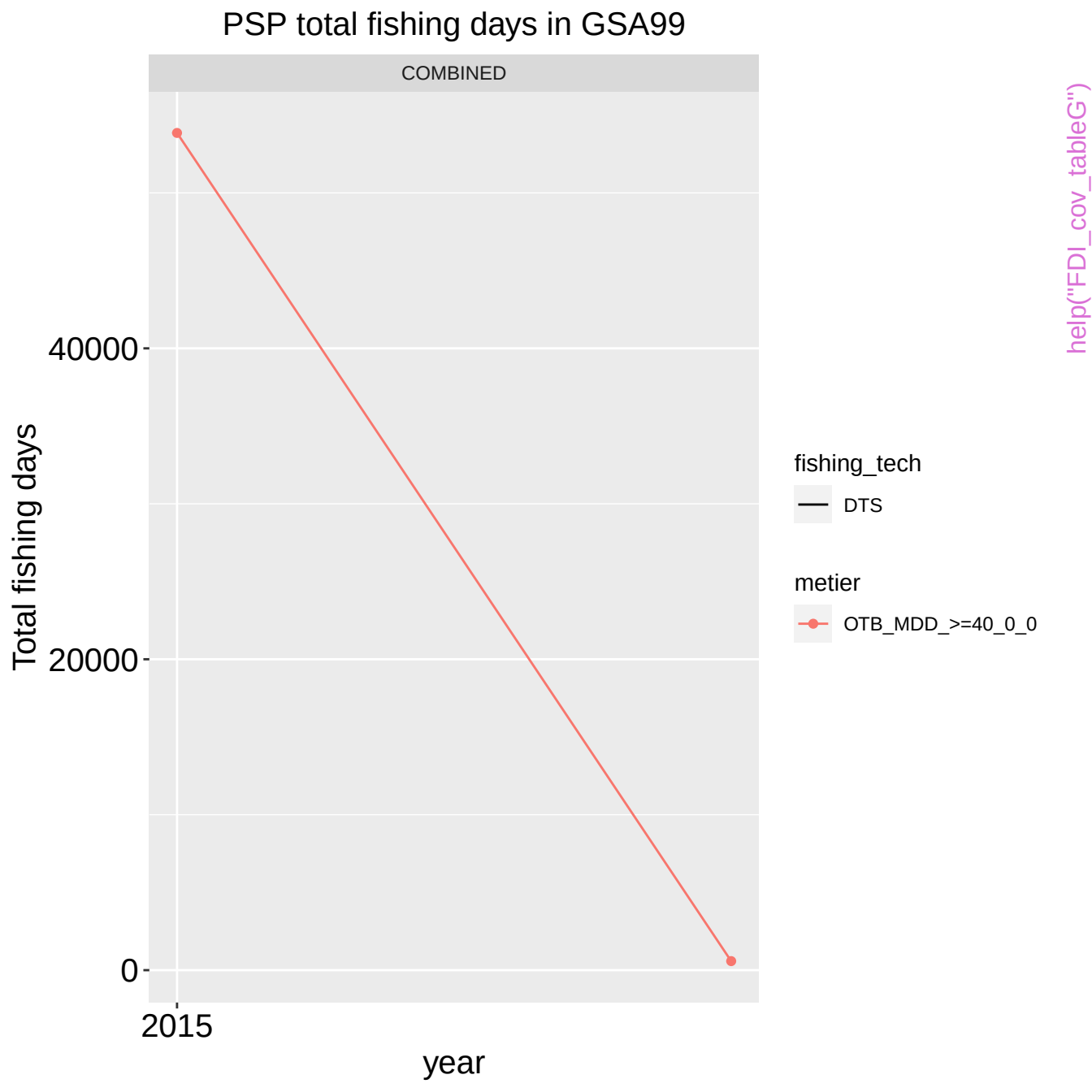

PSP total KW fishing days in GSA99
COMBINED
4500000
4000000
3500000
3000000
2500000
Total KW fishing days
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

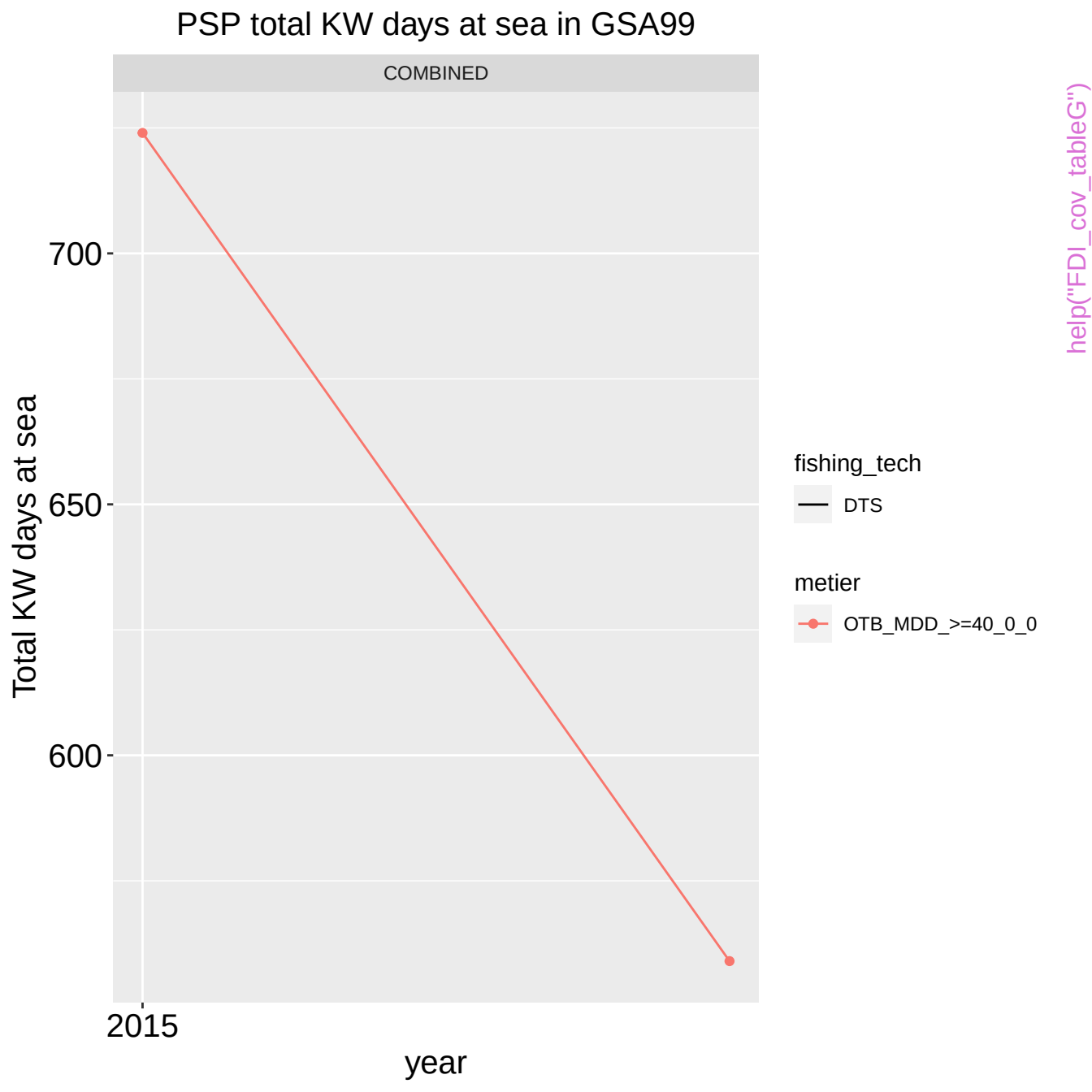

PSP total GT fishing days in GSA99
COMBINED
1200000
1000000
800000
600000
Total GT fishing days
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

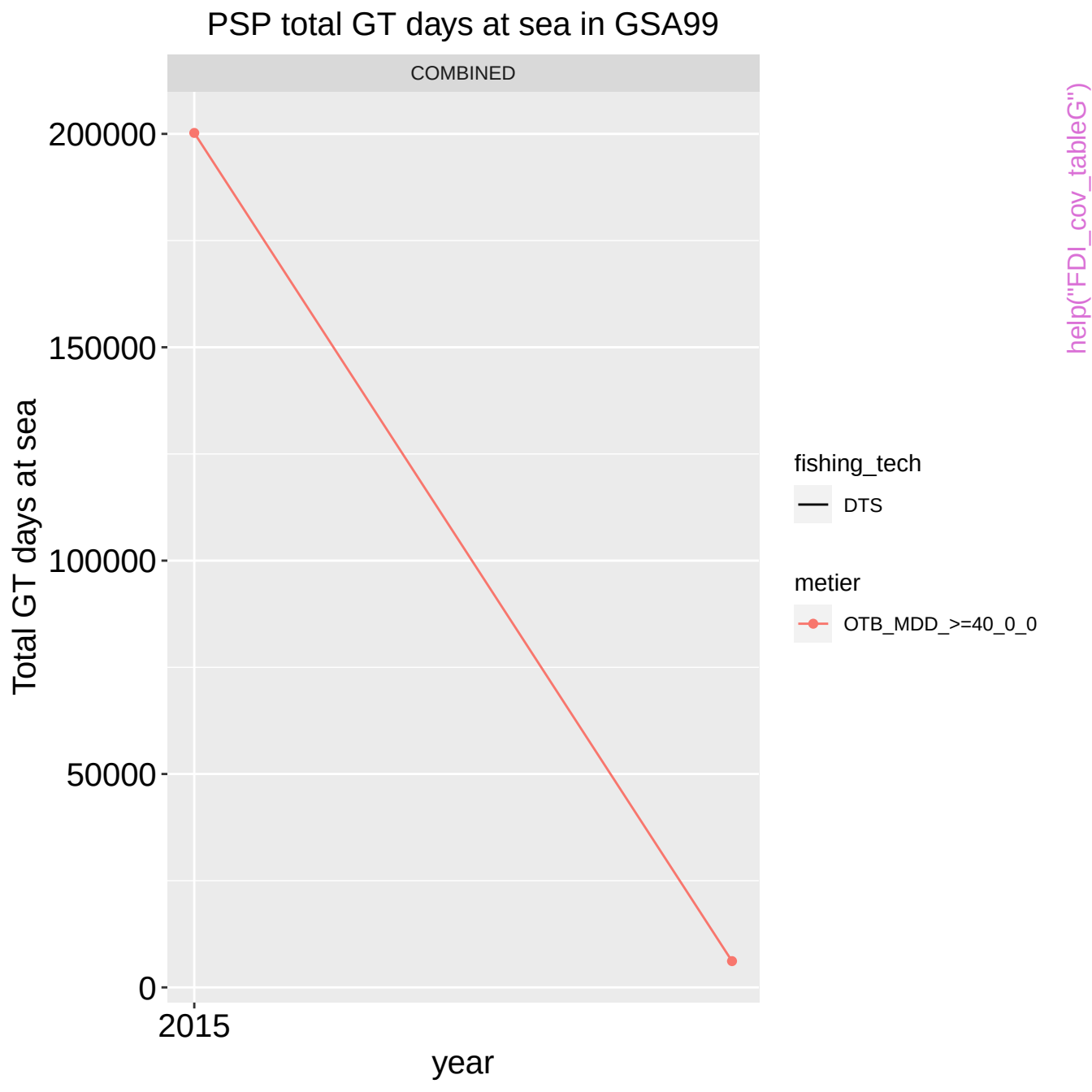

PSP hr at sea in GSA99
COMBINED
375000
350000
325000
300000
Total hr at sea
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

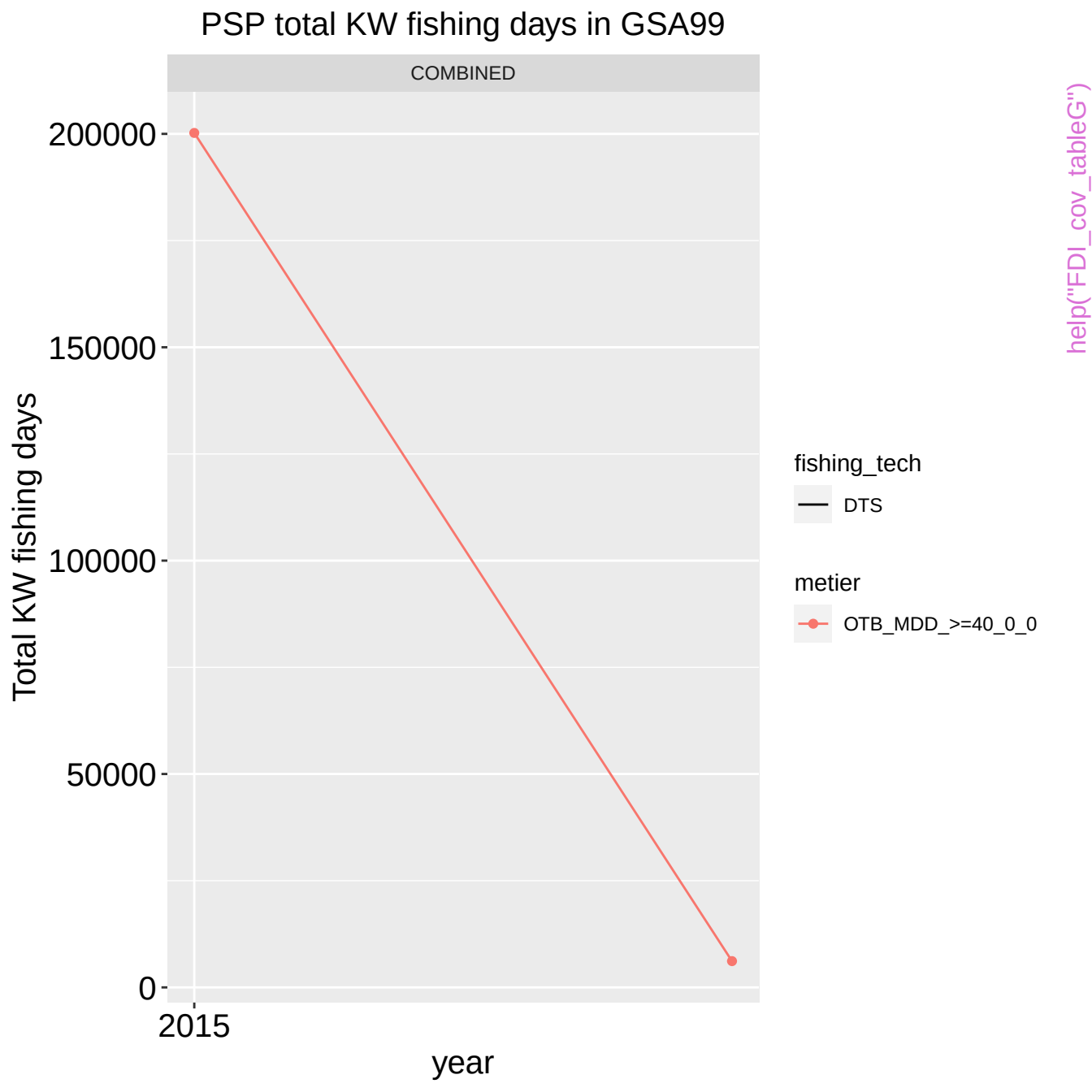

PSP KW hr at sea in GSA99
COMBINED
9e+07
8e+07
7e+07
6e+07
5e+07
Total KW hr at sea
2014
2018
year
fishing_tech
COMBINED
metier
COMBINED
help("FDI_cov_tableG")

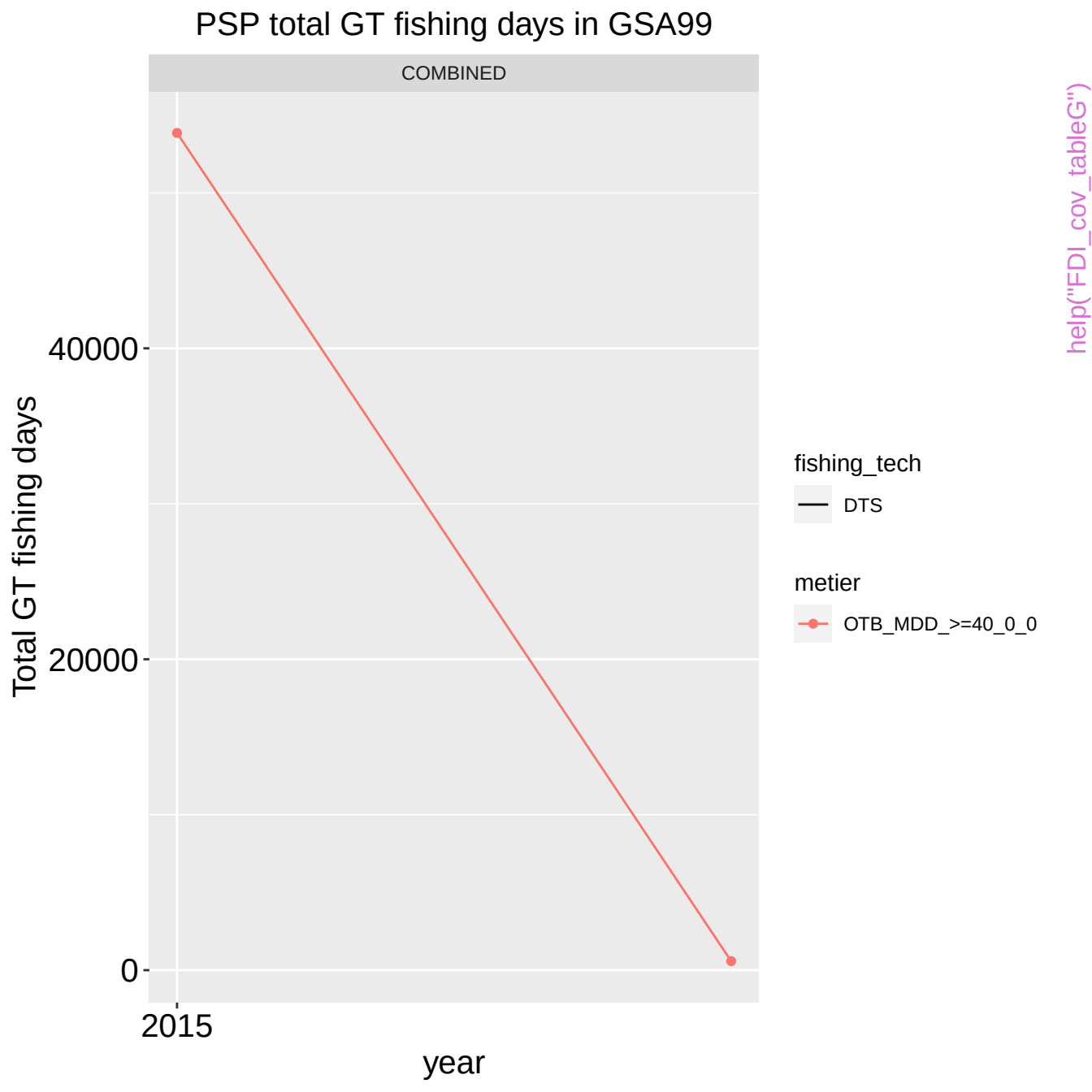

PSP total sea days in GSA99
COMBINED
700
650
600
Total sea days
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

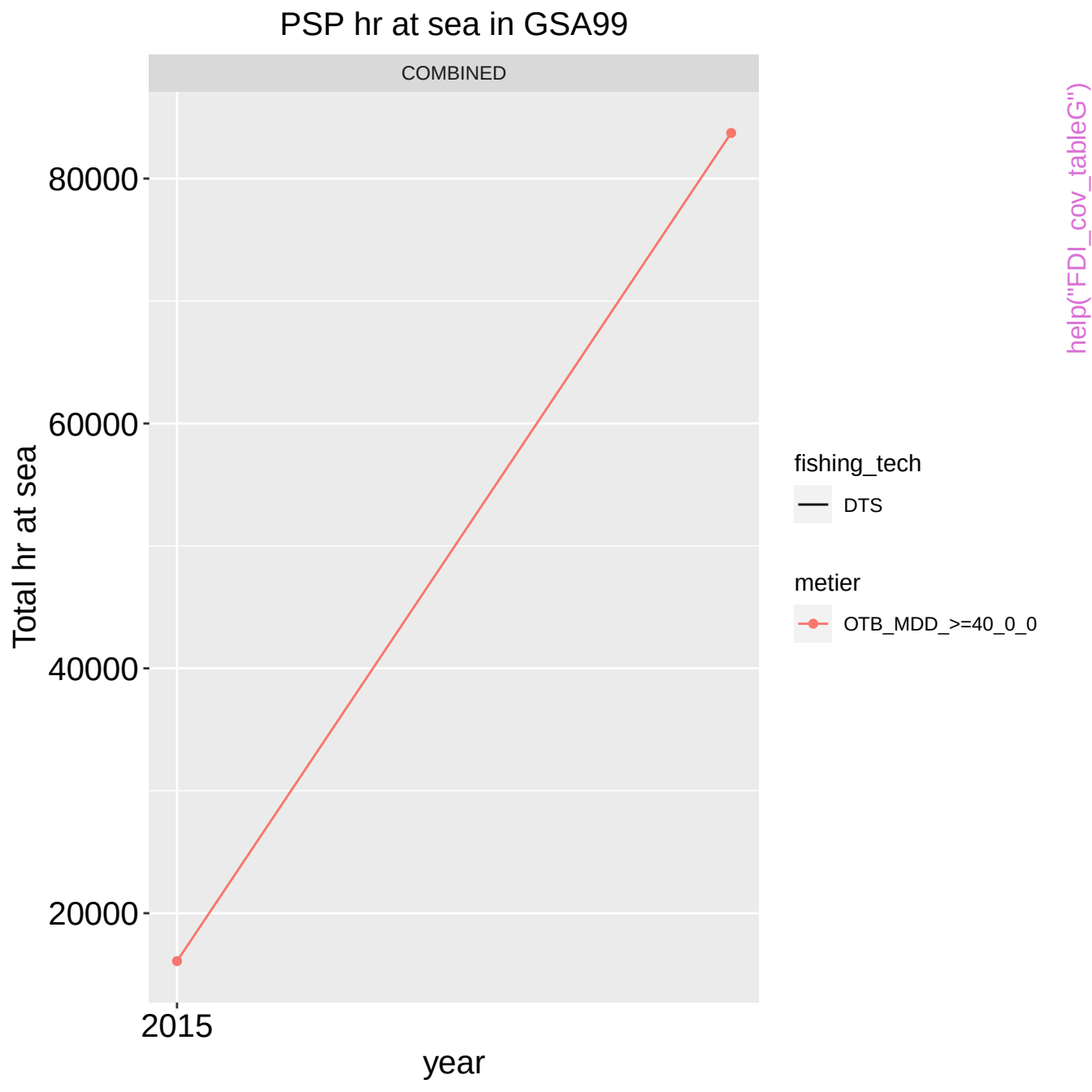

PSP total fishing days in GSA99
COMBINED
40000
20000
0
Total fishing days
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

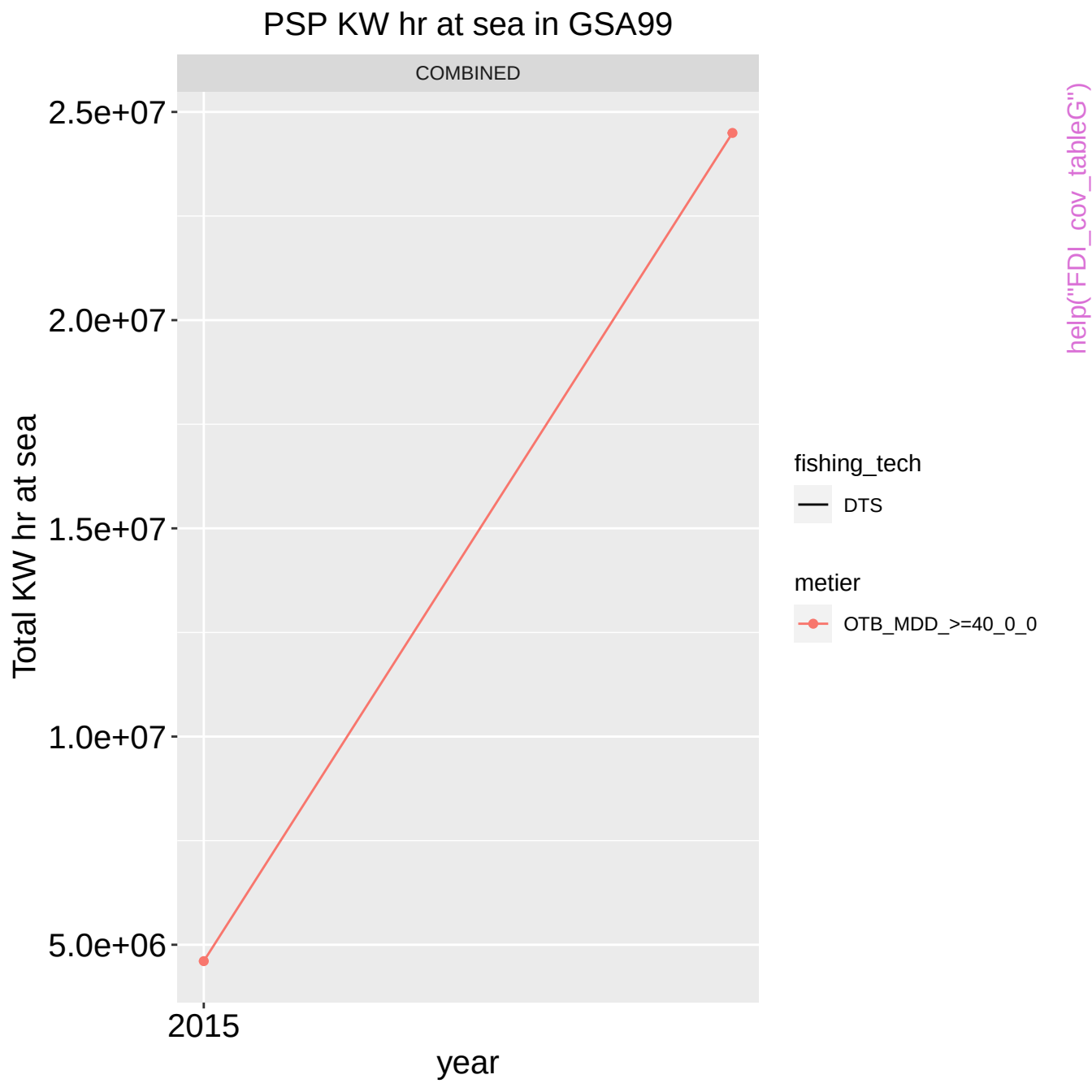

PSP total KW days at sea in GSA99
COMBINED
700
650
600
Total KW days at sea
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

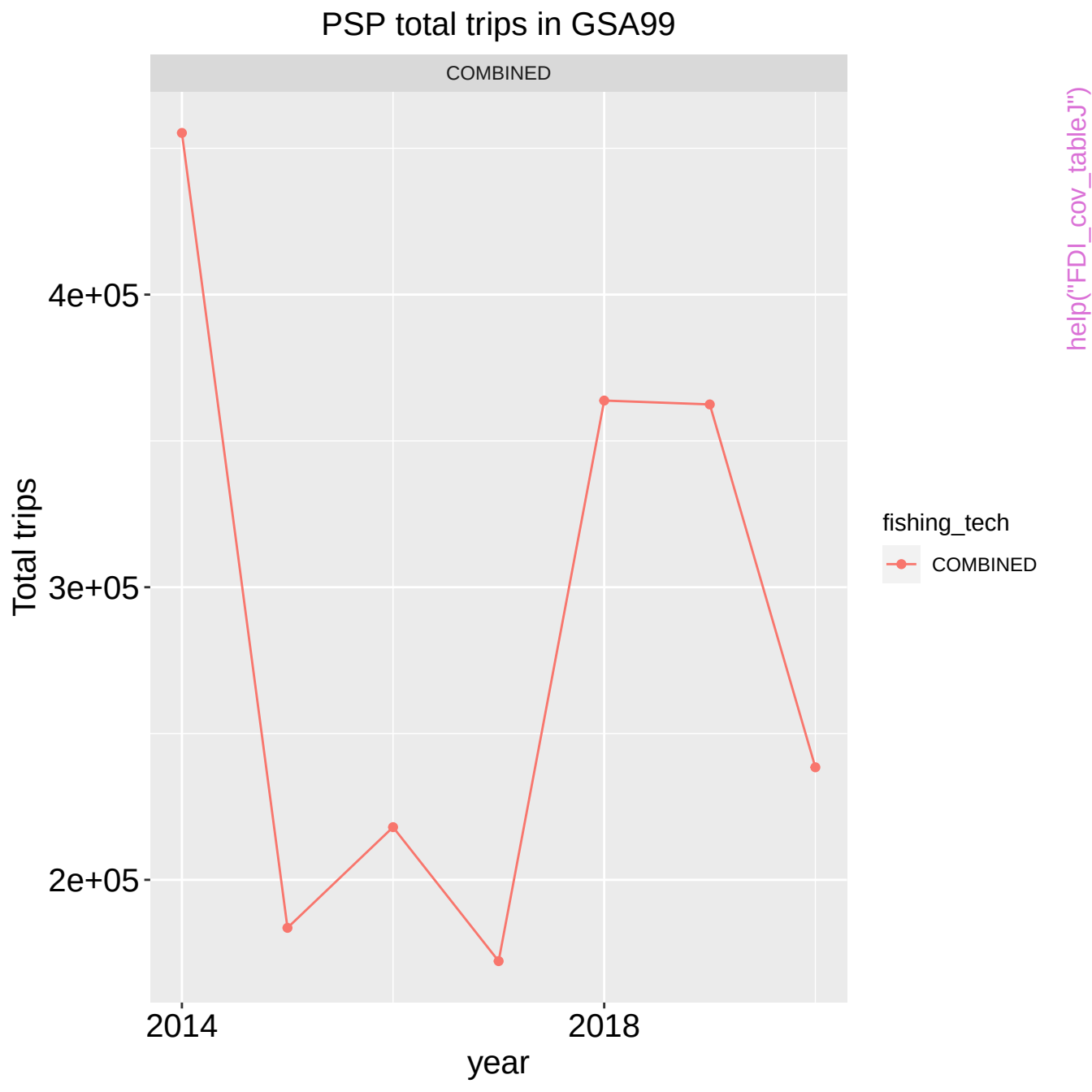

PSP total GT days at sea in GSA99
COMBINED
200000
150000
100000
50000
0
Total GT days at sea
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

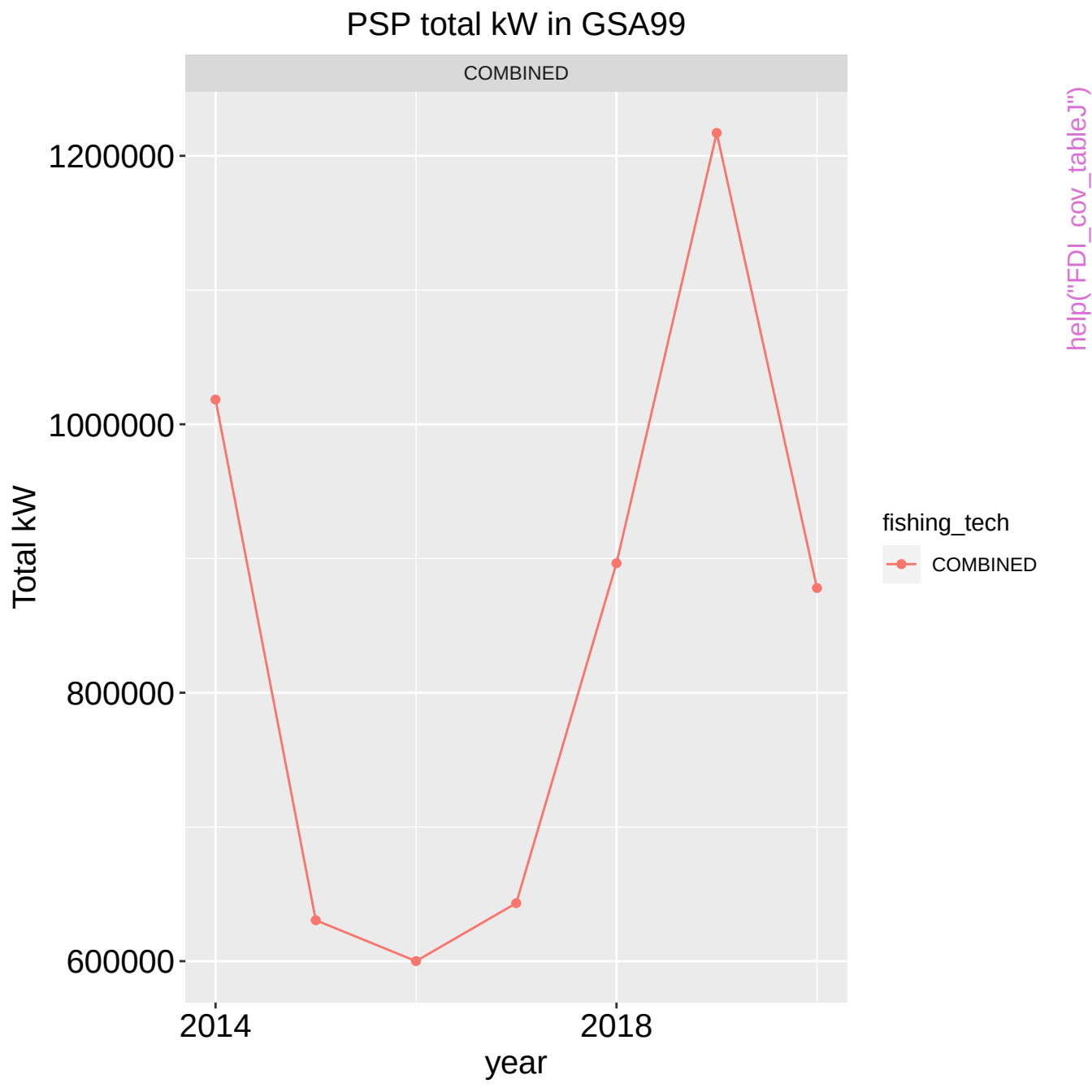

PSP total KW fishing days in GSA99
COMBINED
200000
150000
100000
50000
0
Total KW fishing days
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

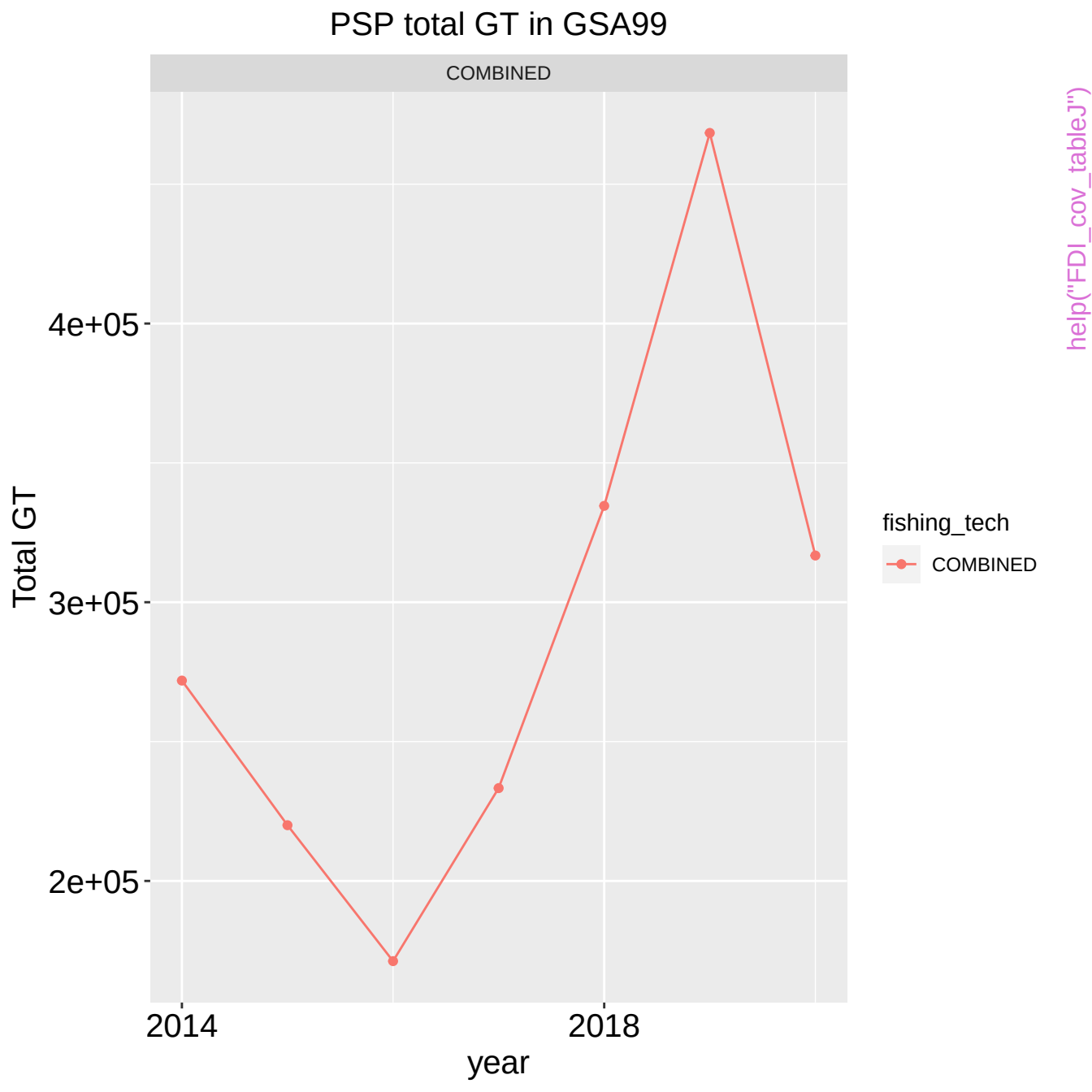

PSP total GT fishing days in GSA99
COMBINED
Total GT fishing days
40000
20000
0
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

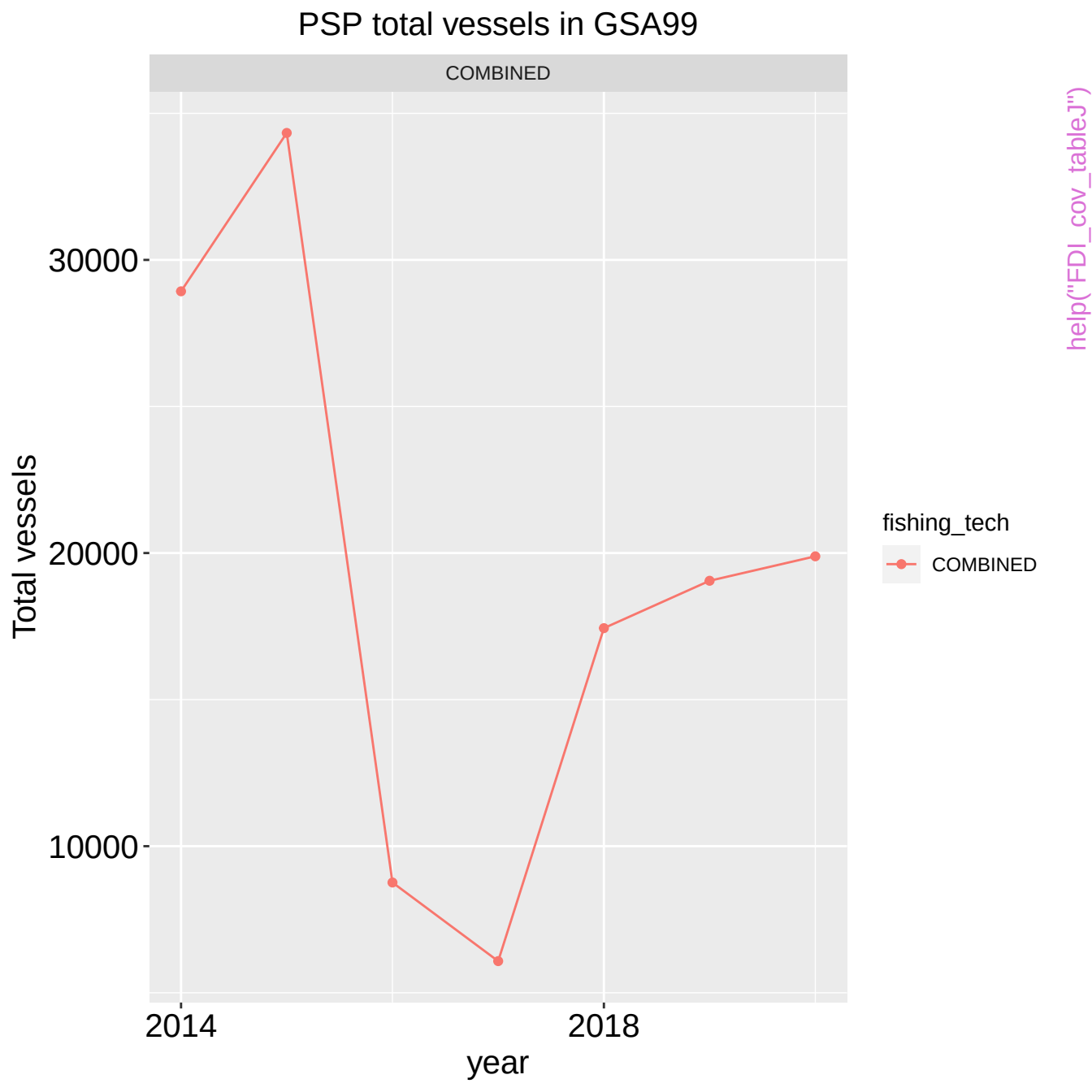

PSP hr at sea in GSA99
COMBINED
80000
60000
40000
20000
Total hr at sea
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

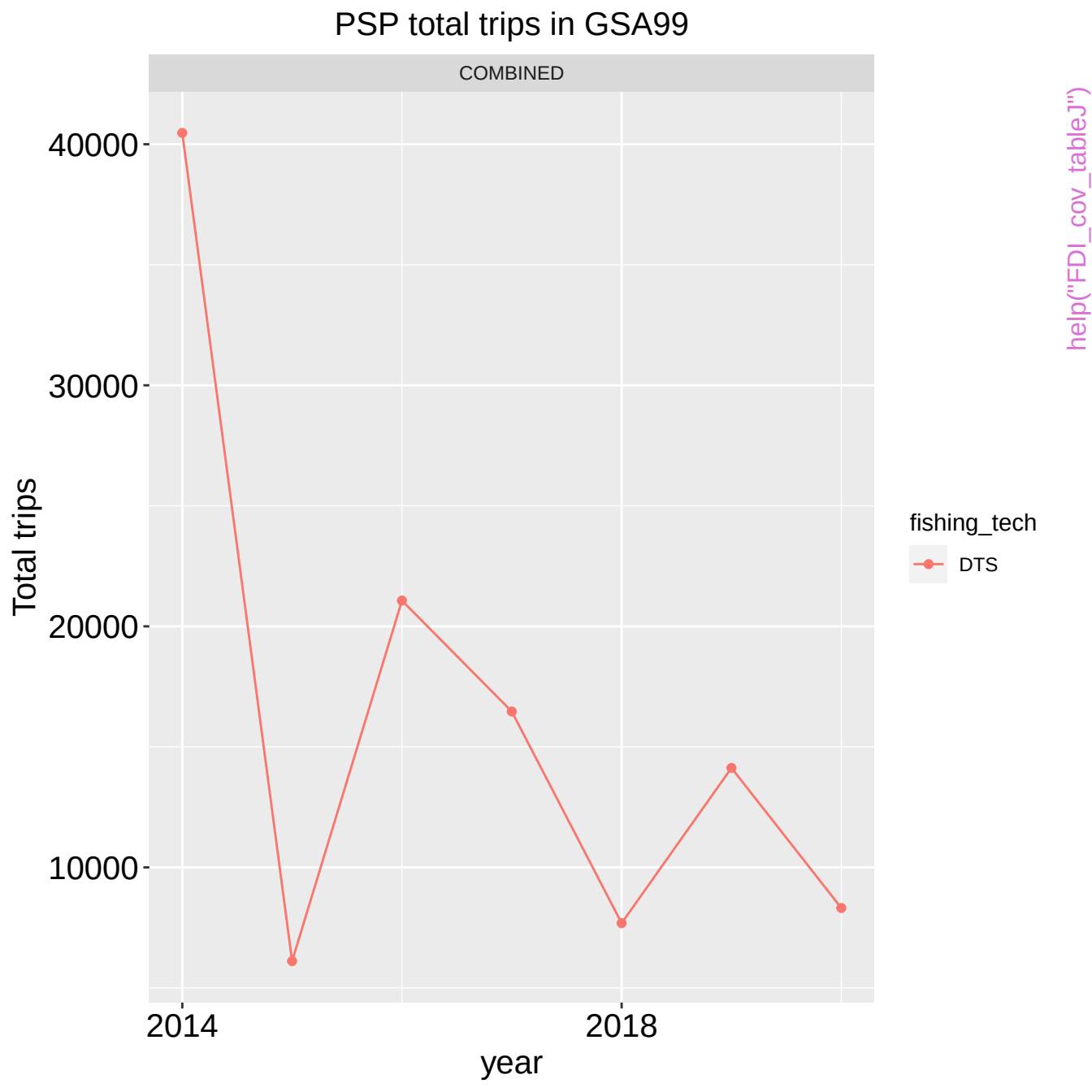

PSP KW hr at sea in GSA99
COMBINED
2.5e+07
2.0e+07
1.5e+07
1.0e+07
5.0e+06
Total KW hr at sea
2015
year
fishing_tech
DTS
metier
OTB_MDD_>=40_0_0
help("FDI_cov_tableG")

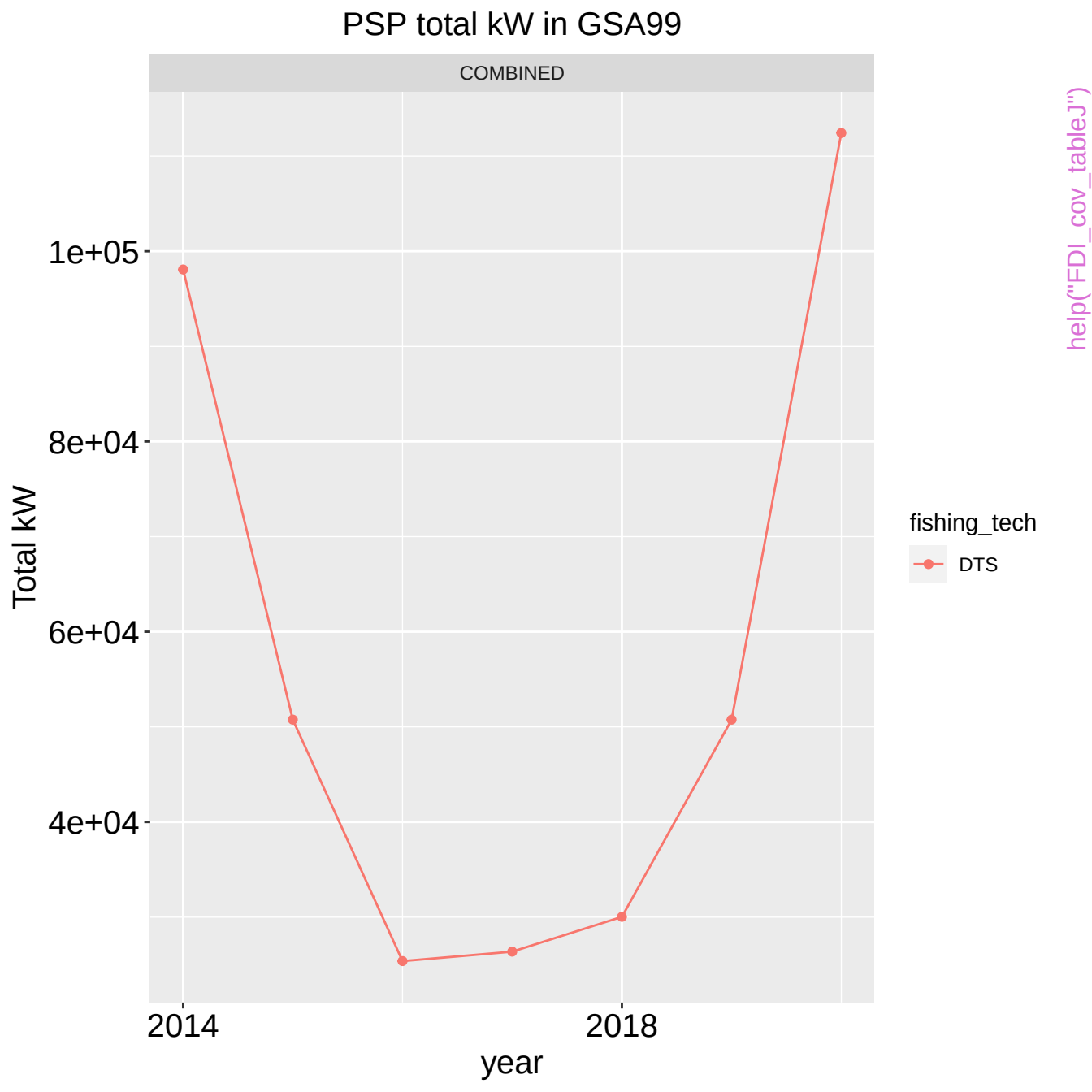

PSP total trips in GSA99
COMBINED
Total trips
4e+05
3e+05
2e+05
2014
2018
year
fishing_tech
COMBINED
help("FDI_cov_tableJ")

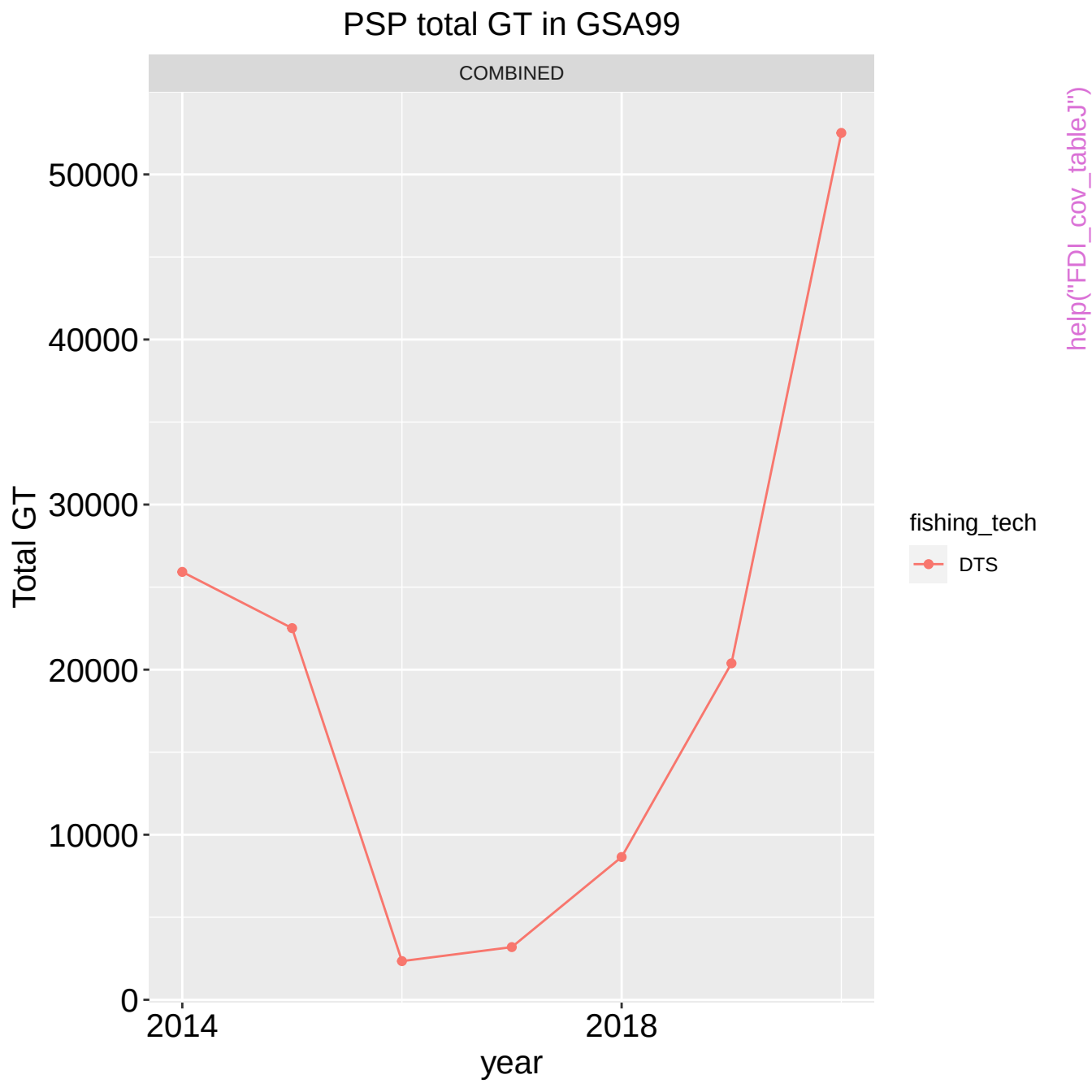

PSP total kW in GSA99
COMBINED
1200000
1000000
800000
600000
Total kW
2014
2018
year
fishing_tech
COMBINED
help("FDI_cov_tableJ")

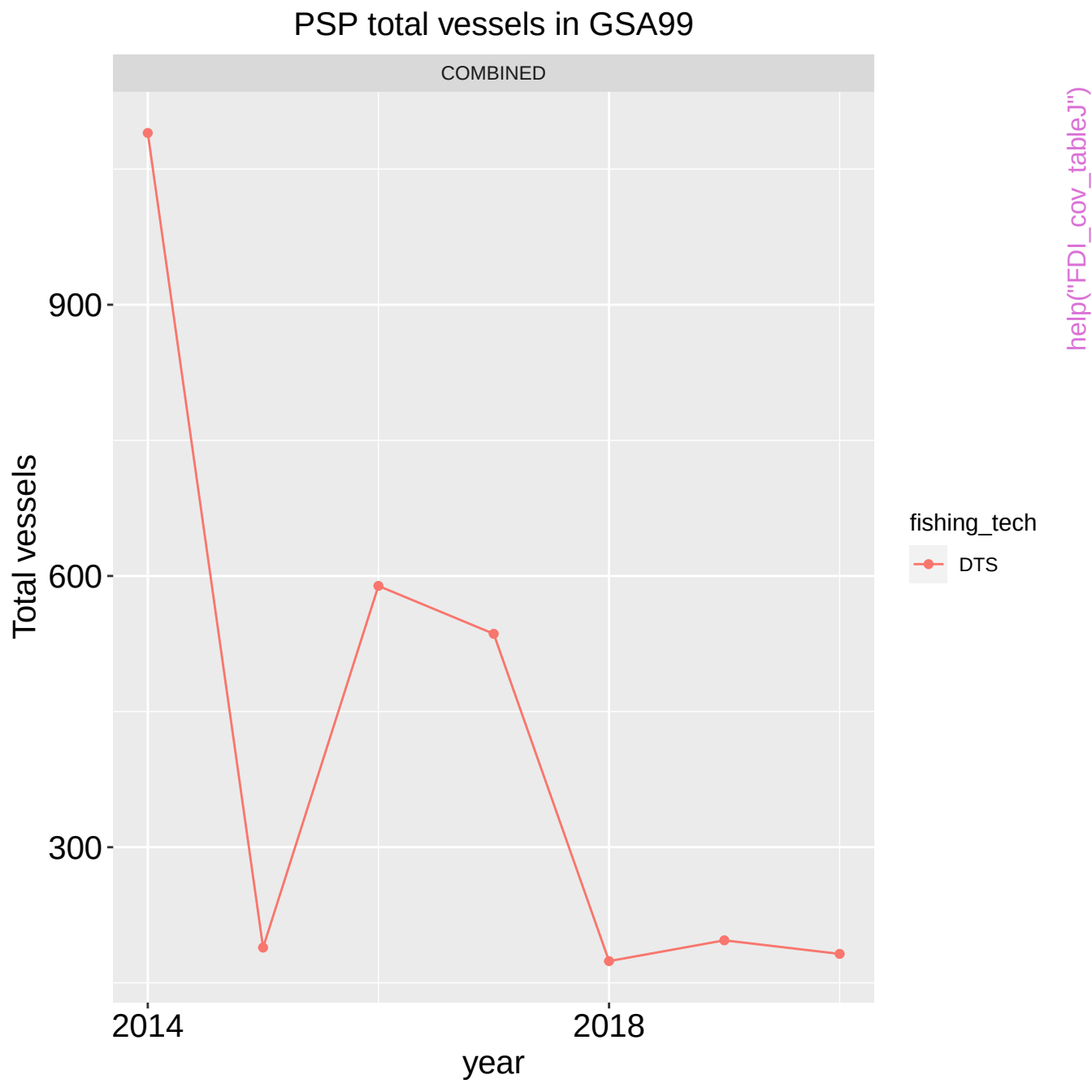

PSP total GT in GSA99
COMBINED
Total GT
4e+05
3e+05
2e+05
2014
2018
year
fishing_tech
COMBINED
help("FDI_cov_tableJ")

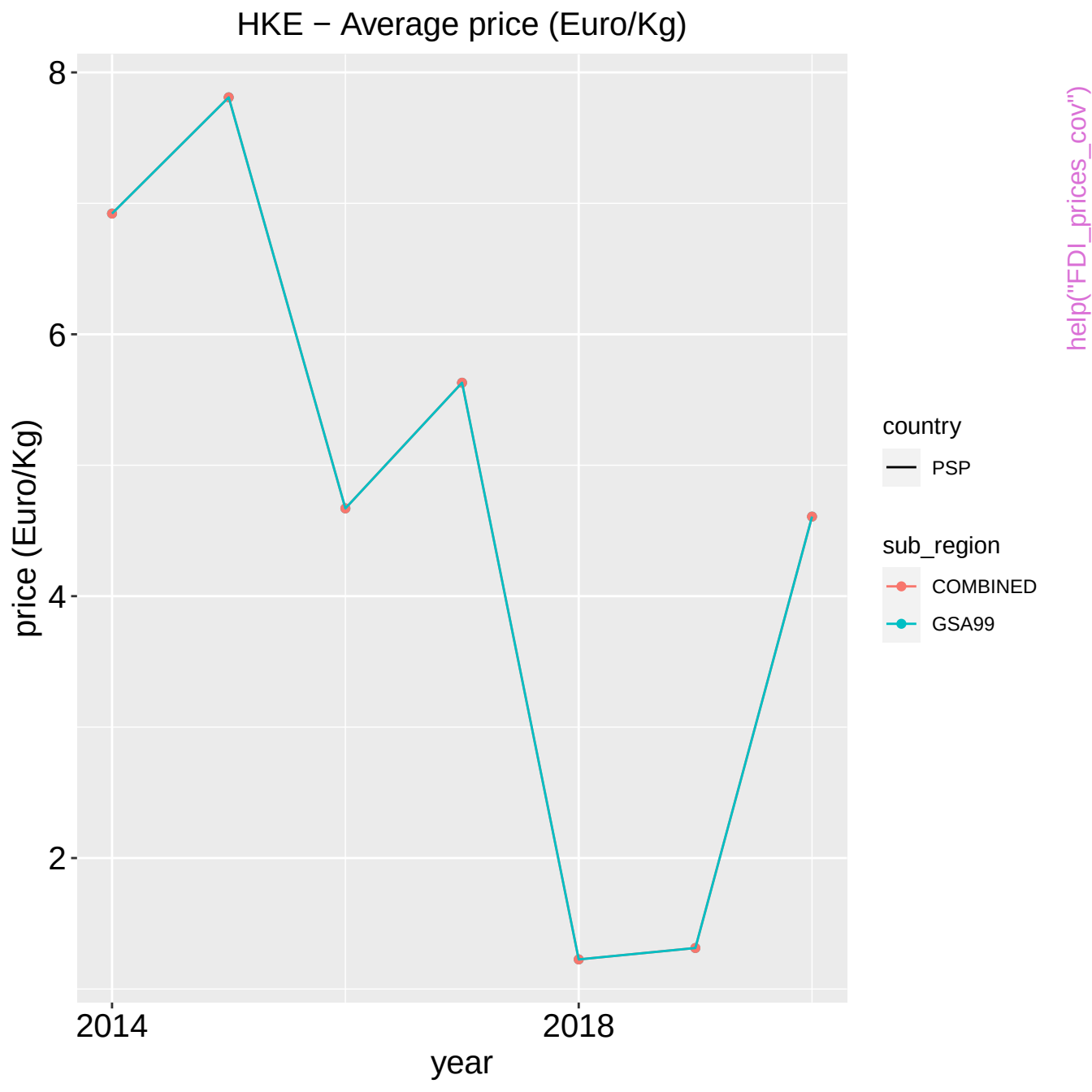

PSP total vessels in GSA99
COMBINED
30000
20000
10000
Total vessels
2014
2018
year
fishing_tech
COMBINED
help("FDI_cov_tableJ")

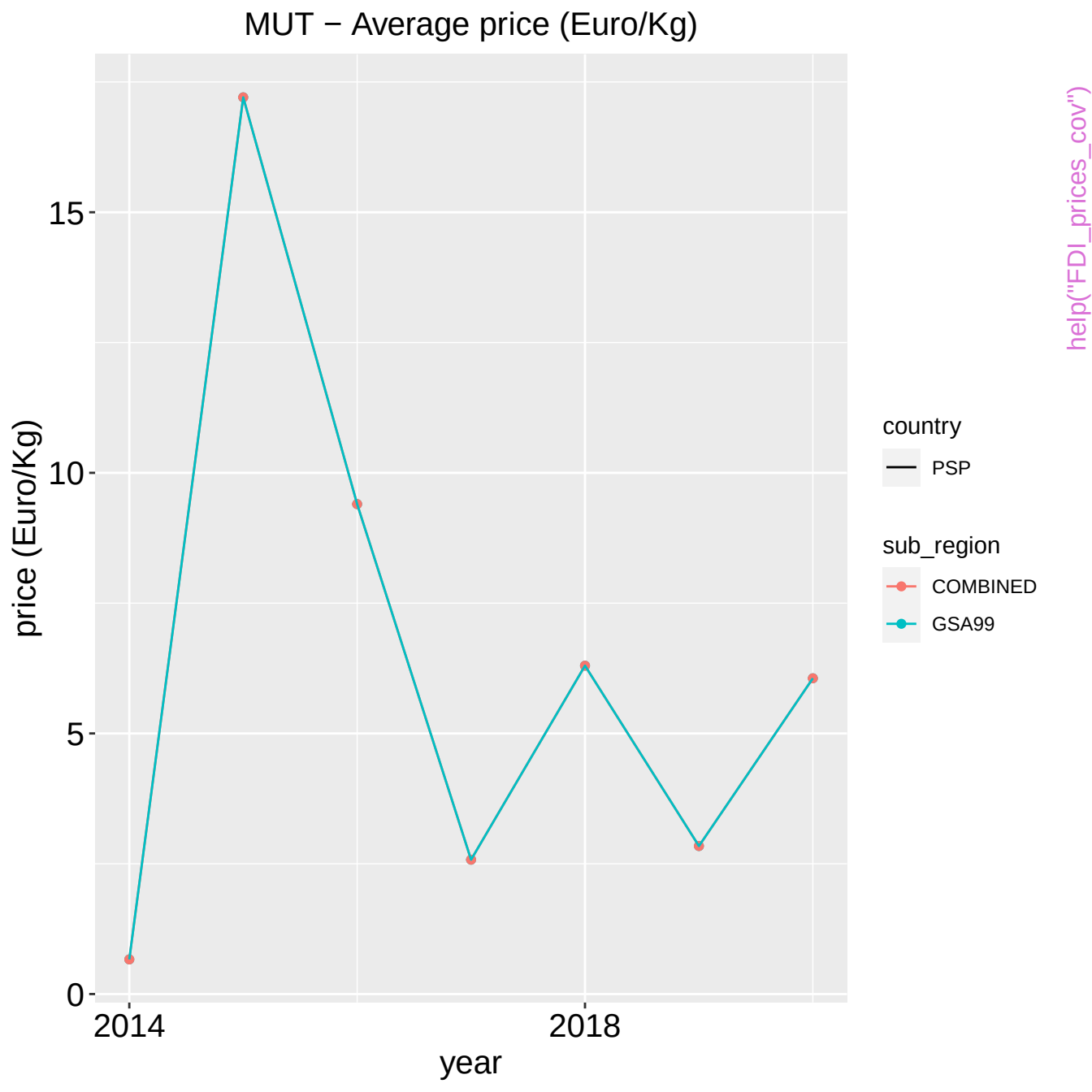

PSP total trips in GSA99
COMBINED
40000
30000
20000
10000
Total trips
2014
2018
year
fishing_tech
DTS
help("FDI_cov_tableJ")

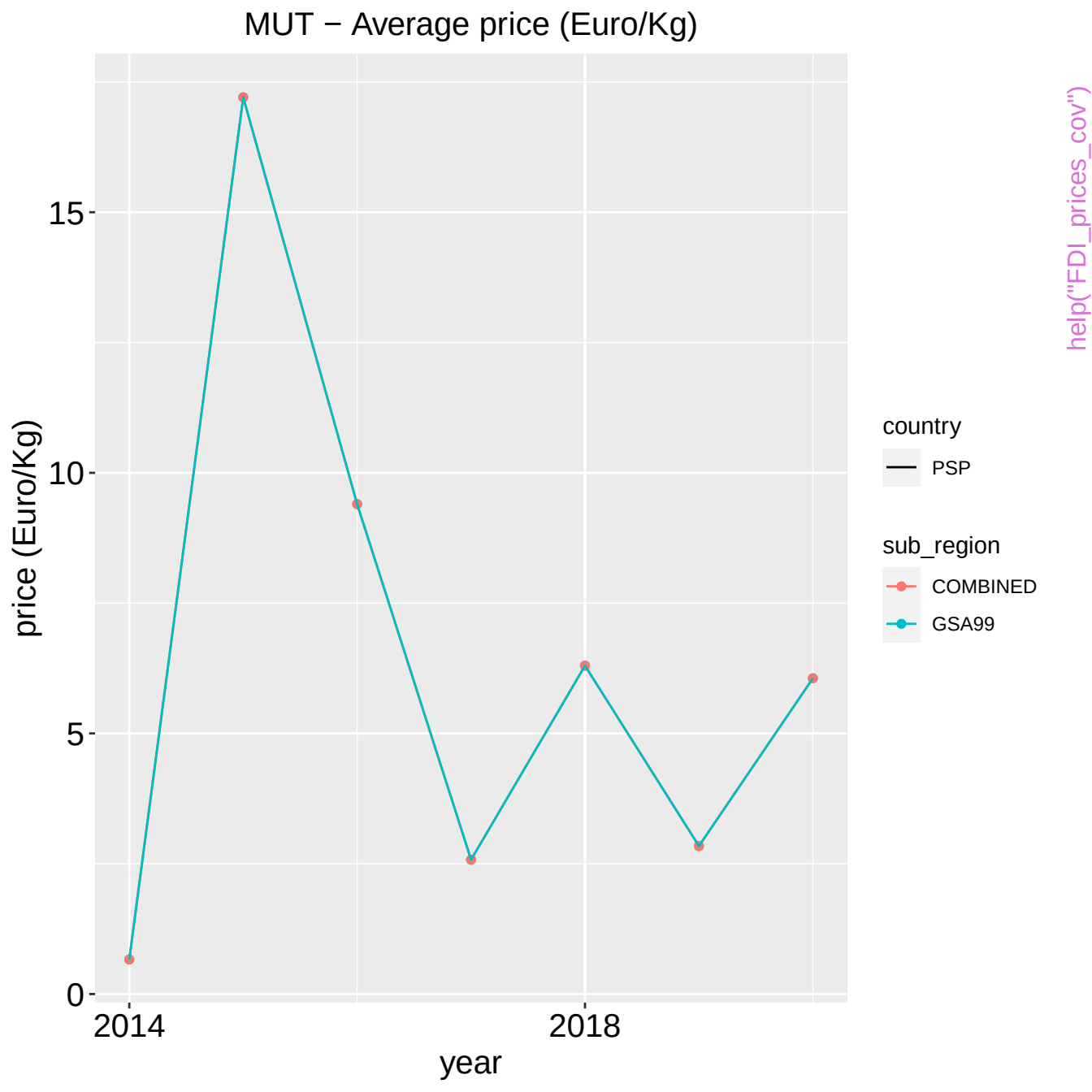

PSP total kW in GSA99
COMBINED
1e+05
8e+04
6e+04
4e+04
Total kW
2014
2018
year
fishing_tech
DTS
help("FDI_cov_tableJ")

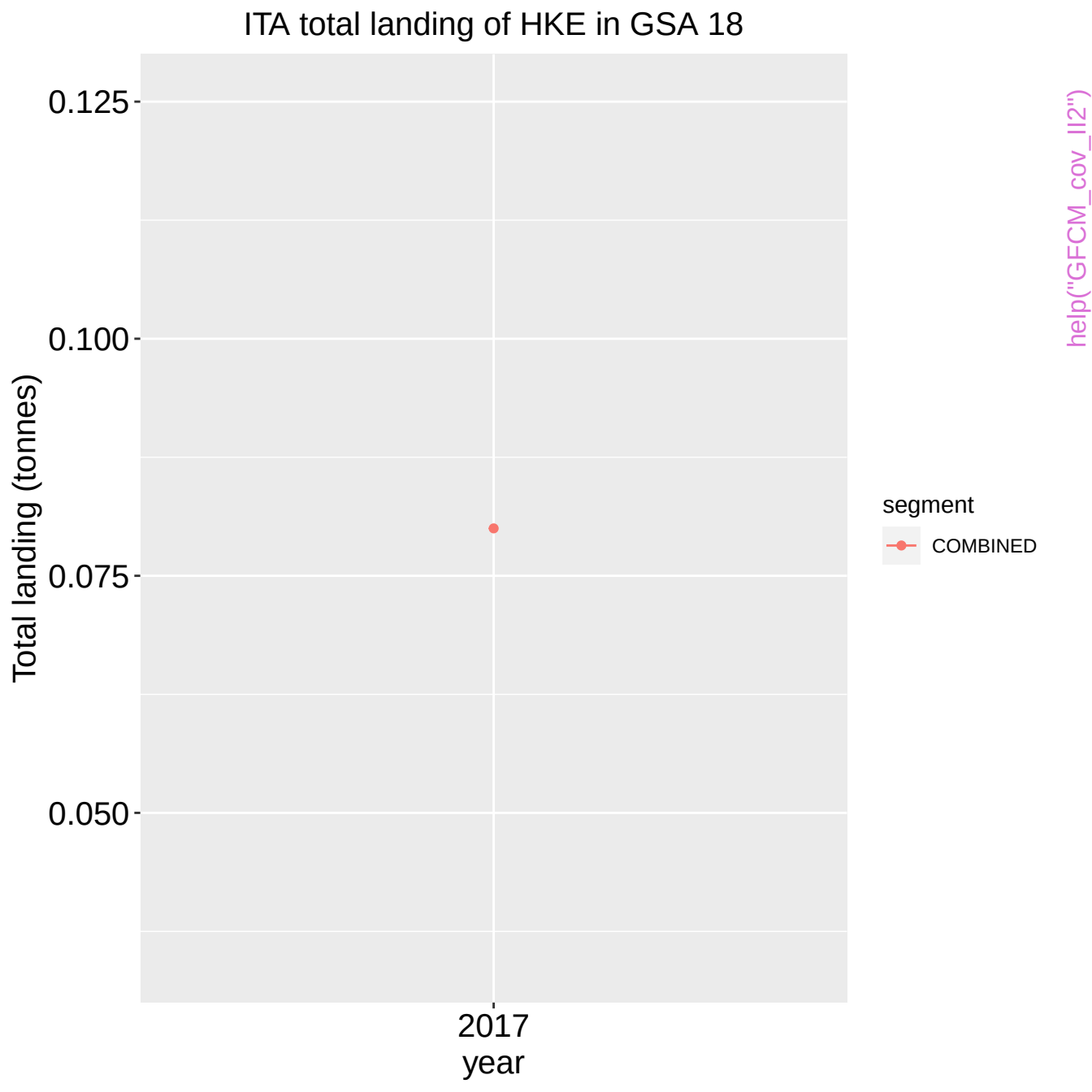

PSP total GT in GSA99
COMBINED
50000
40000
30000
20000
10000
0
Total GT
2014
2018
year
fishing_tech
DTS
help("FDI_cov_tableJ")

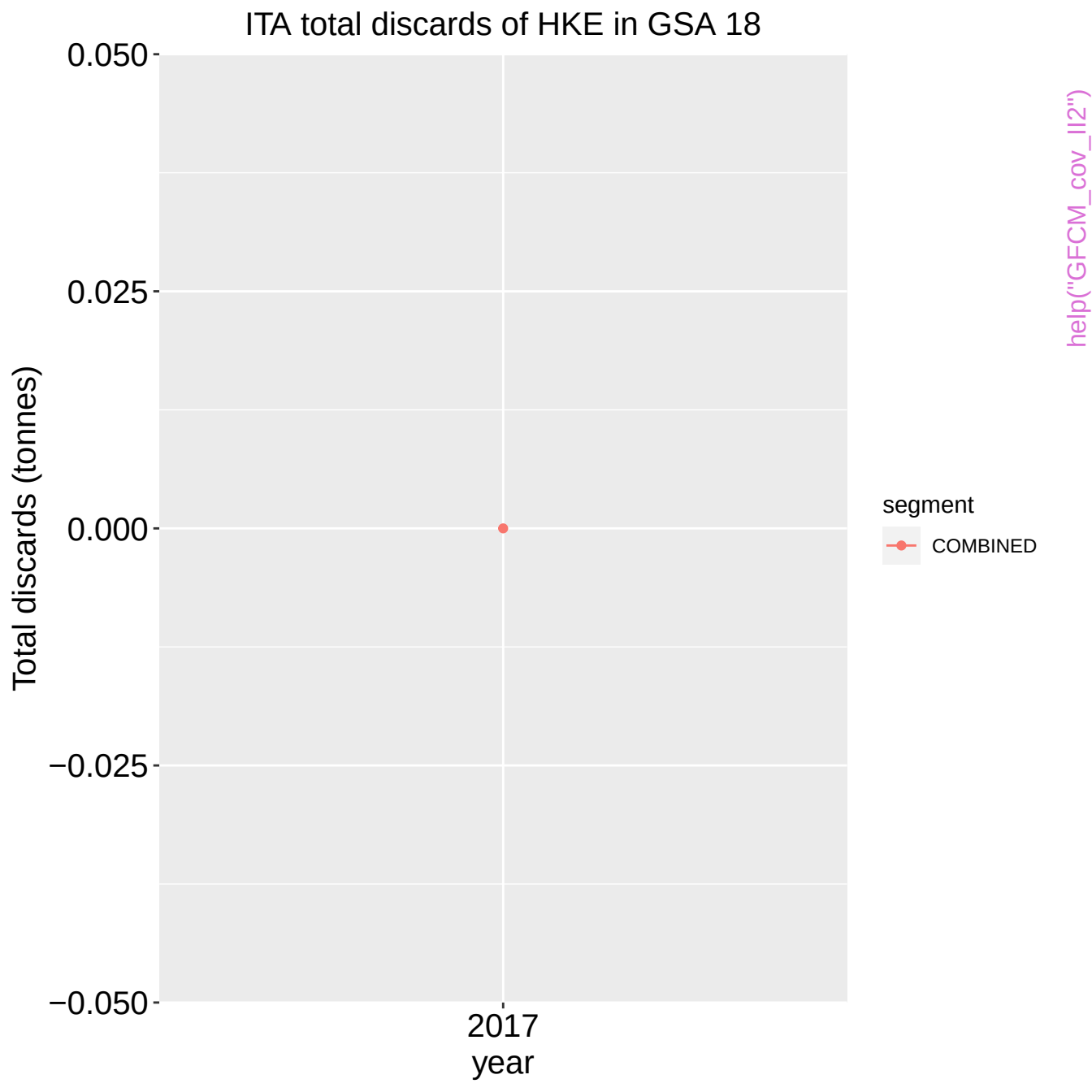

PSP total vessels in GSA99
COMBINED
900
600
300
Total vessels
2014
2018
year
fishing_tech
DTS
help("FDI_cov_tableJ")

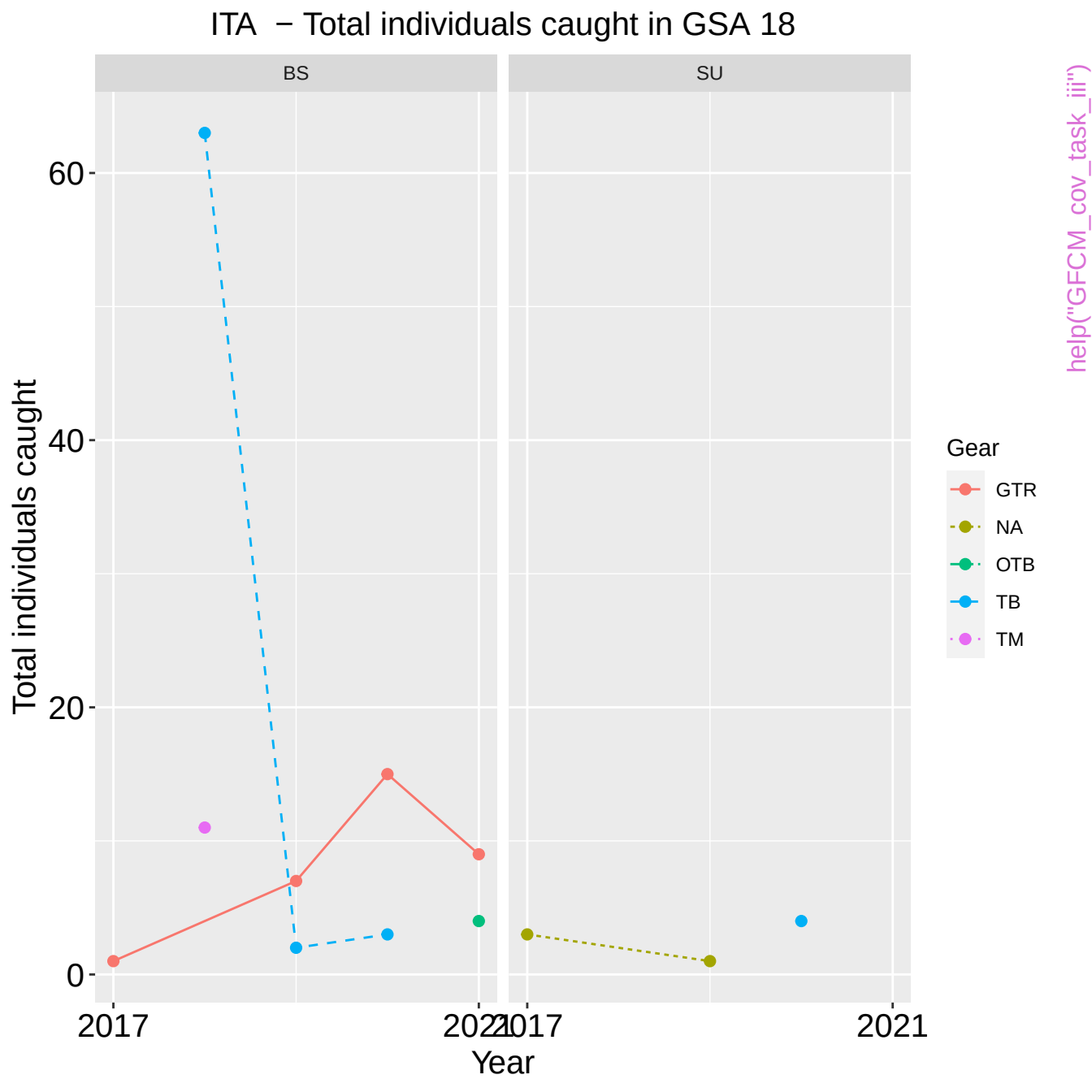

HKE − Average price (Euro/Kg)
price (Euro/Kg)
8
6
4
2
2014
2018
year
country
PSP
sub_region
COMBINED
GSA99
help("FDI_prices_cov")

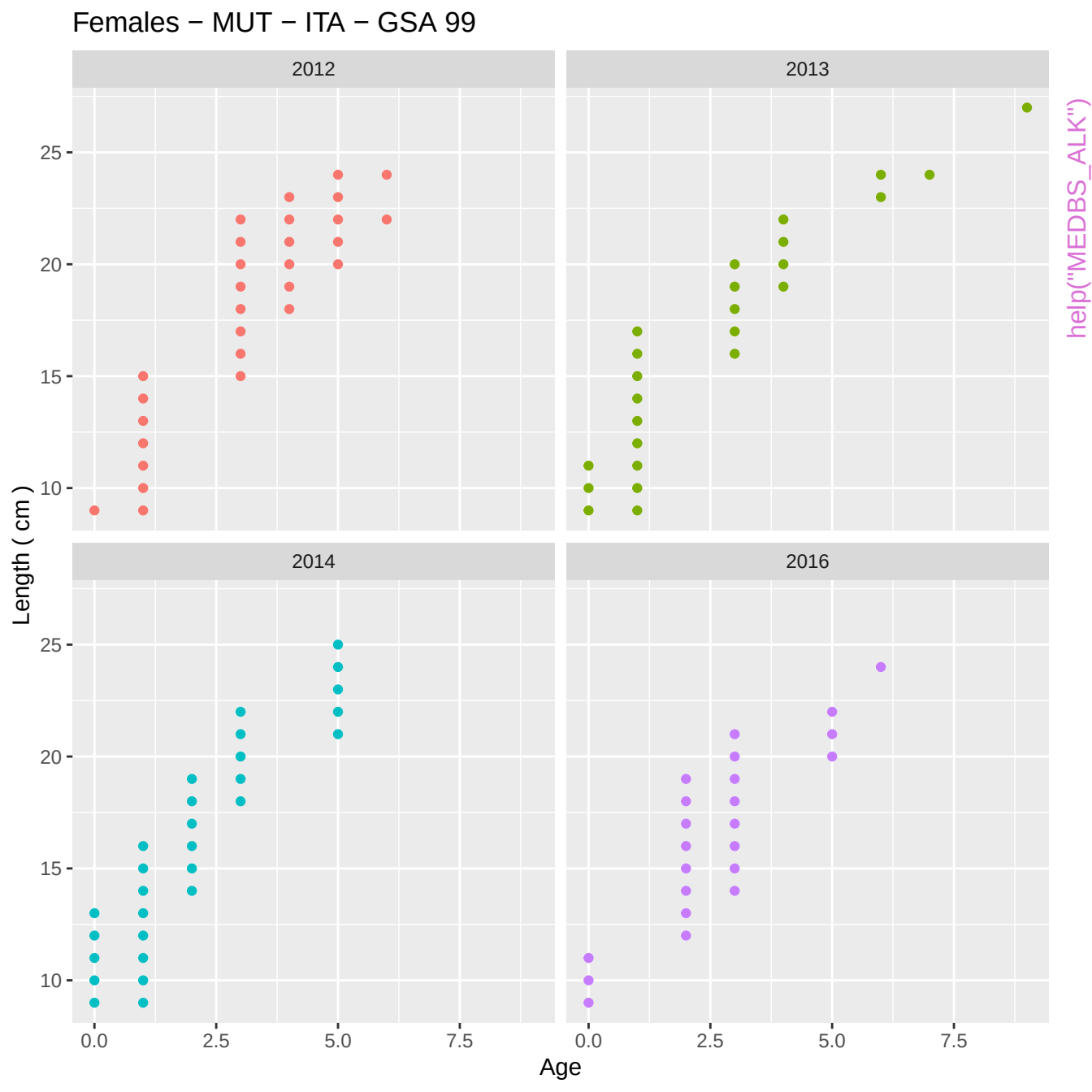

MUT − Average price (Euro/Kg)
price (Euro/Kg)
15
10
5
0
2014
2018
year
country
PSP
sub_region
COMBINED
GSA99
help("FDI_prices_cov")

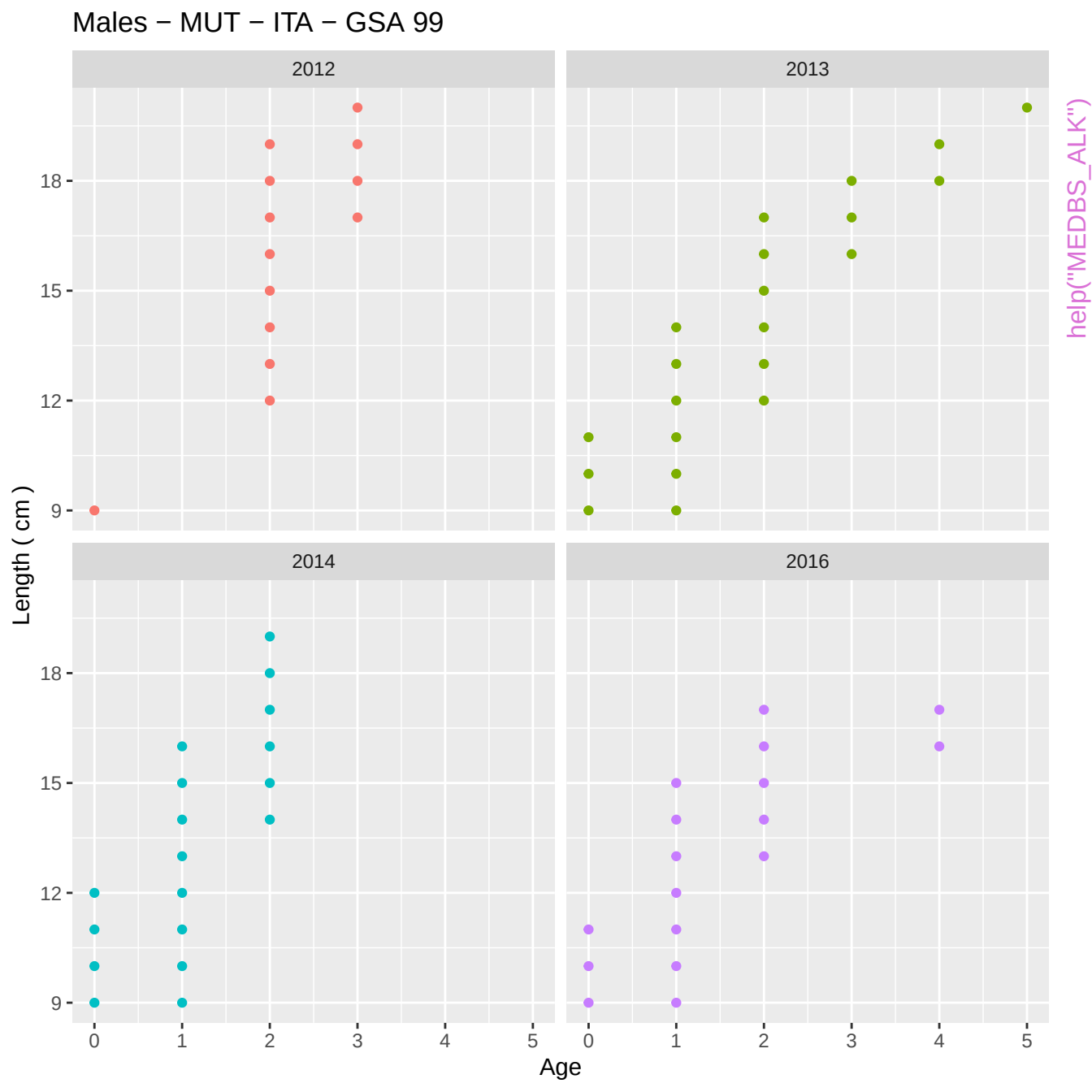

MUT − Average price (Euro/Kg)
price (Euro/Kg)
15
10
5
0
2014
2018
year
country
PSP
sub_region
COMBINED
GSA99
help("FDI_prices_cov")

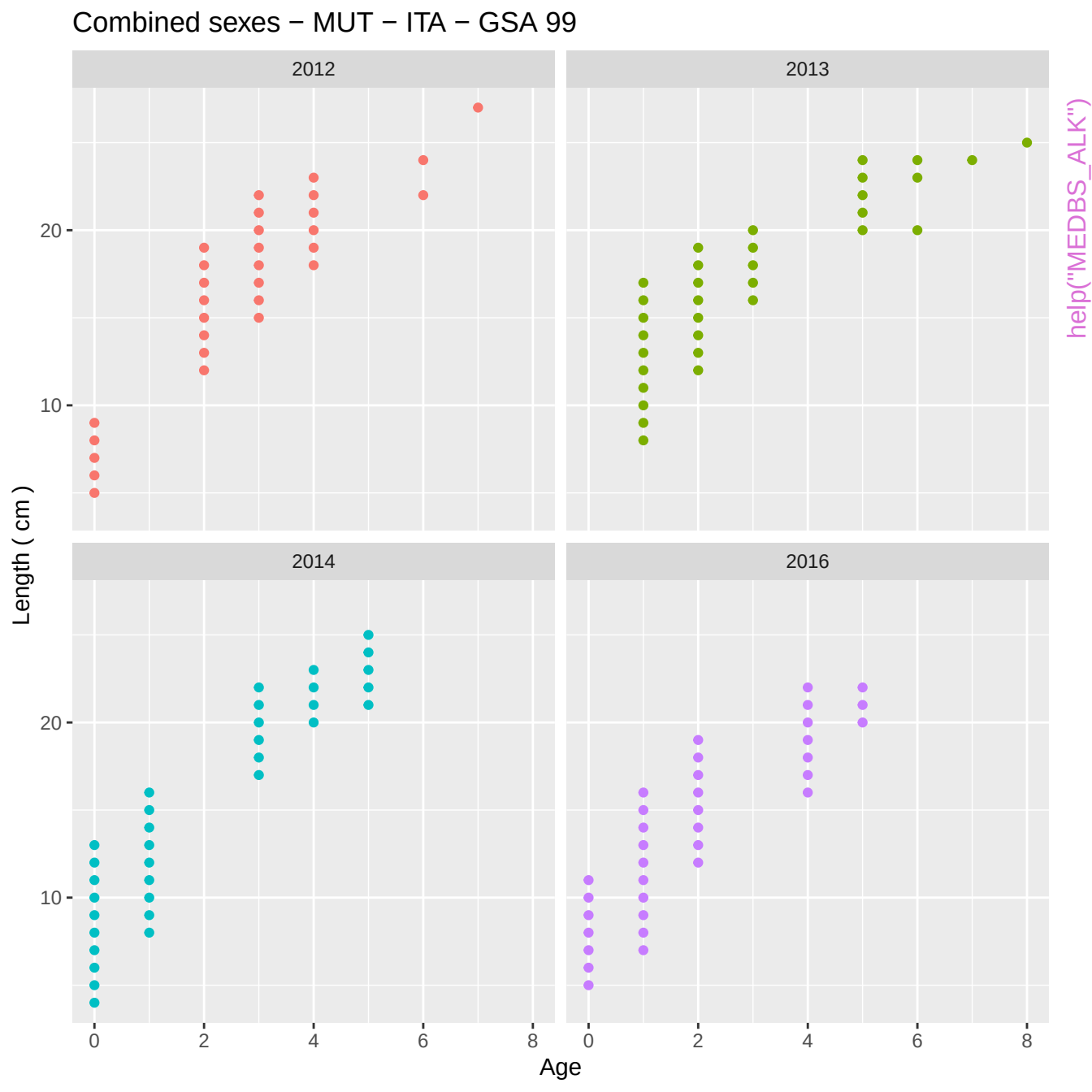

ITA total landing of HKE in GSA 18
0.125
0.100
0.075
0.050
Total landing (tonnes)
2017
year
segment
COMBINED
help("GFCM_cov_II2")

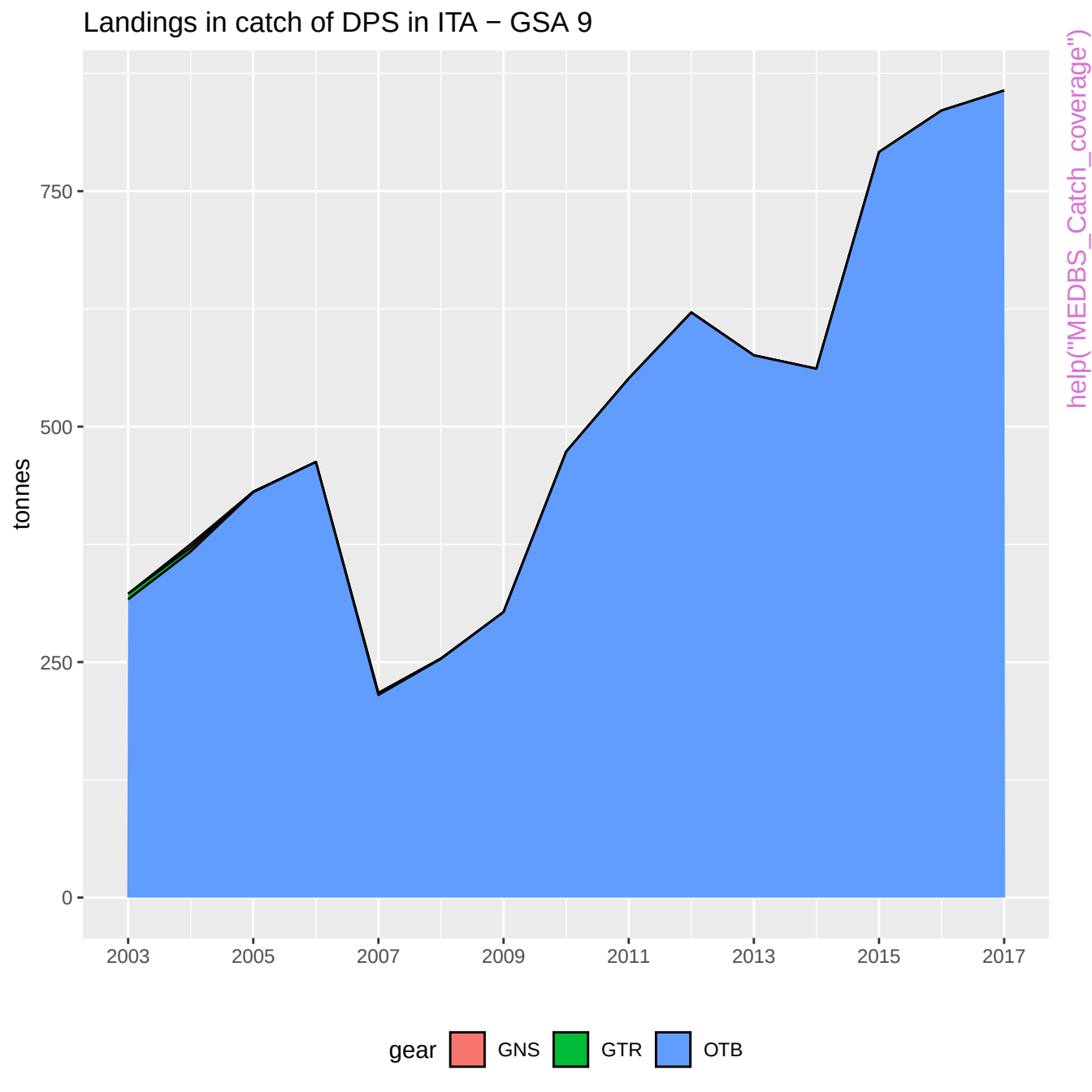

ITA total discards of HKE in GSA 18
0.050
0.025
0.000
−0.025
−0.050
Total discards (tonnes)
2017
year
segment
COMBINED
help("GFCM_cov_II2")

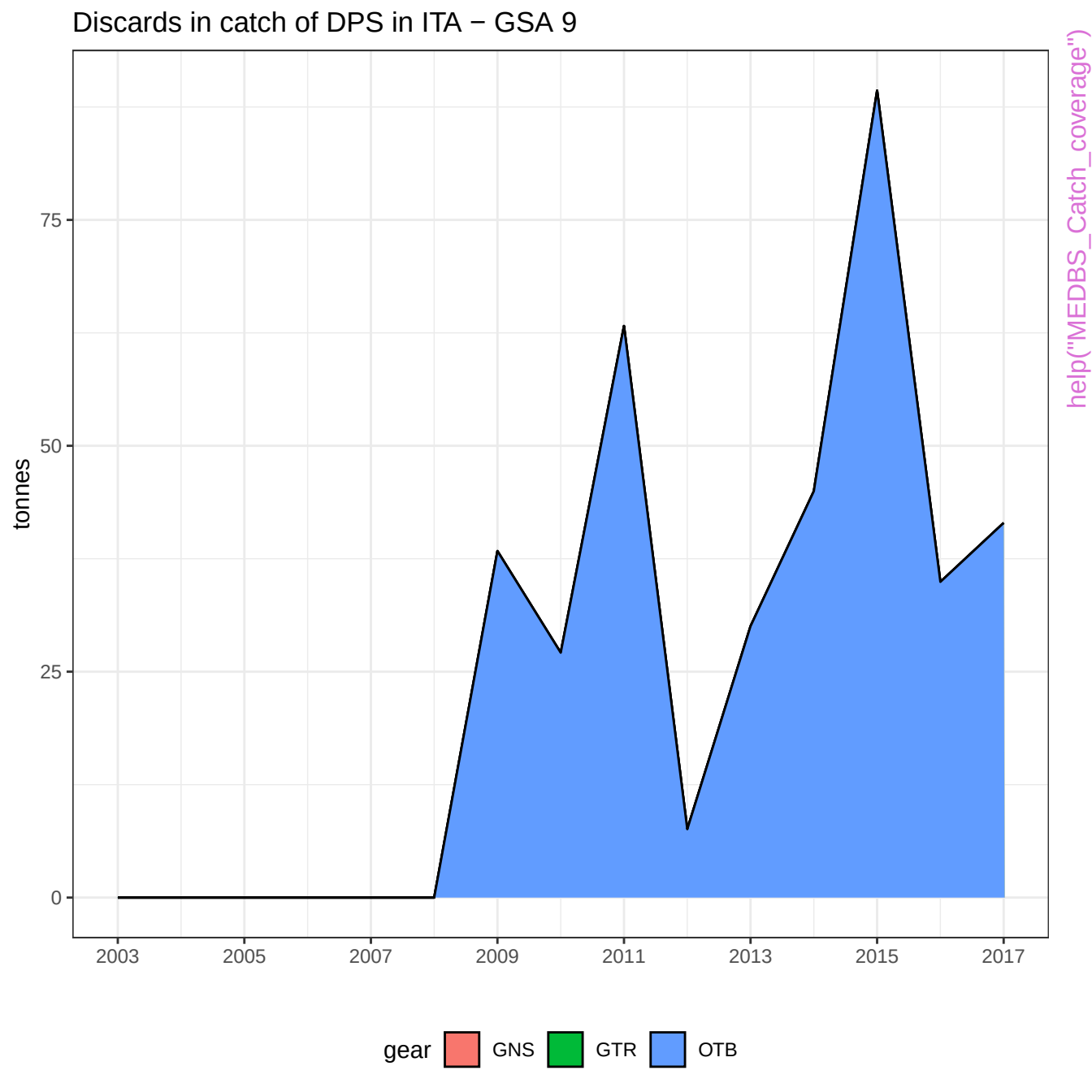

ITA − Total individuals caught in GSA 18
BS
SU
Total individuals caught
0
20
40
60
2017
2021
2017
2021
Year
Gear
GTR
NA
OTB
TB
TM
help("GFCM_cov_task_iii")

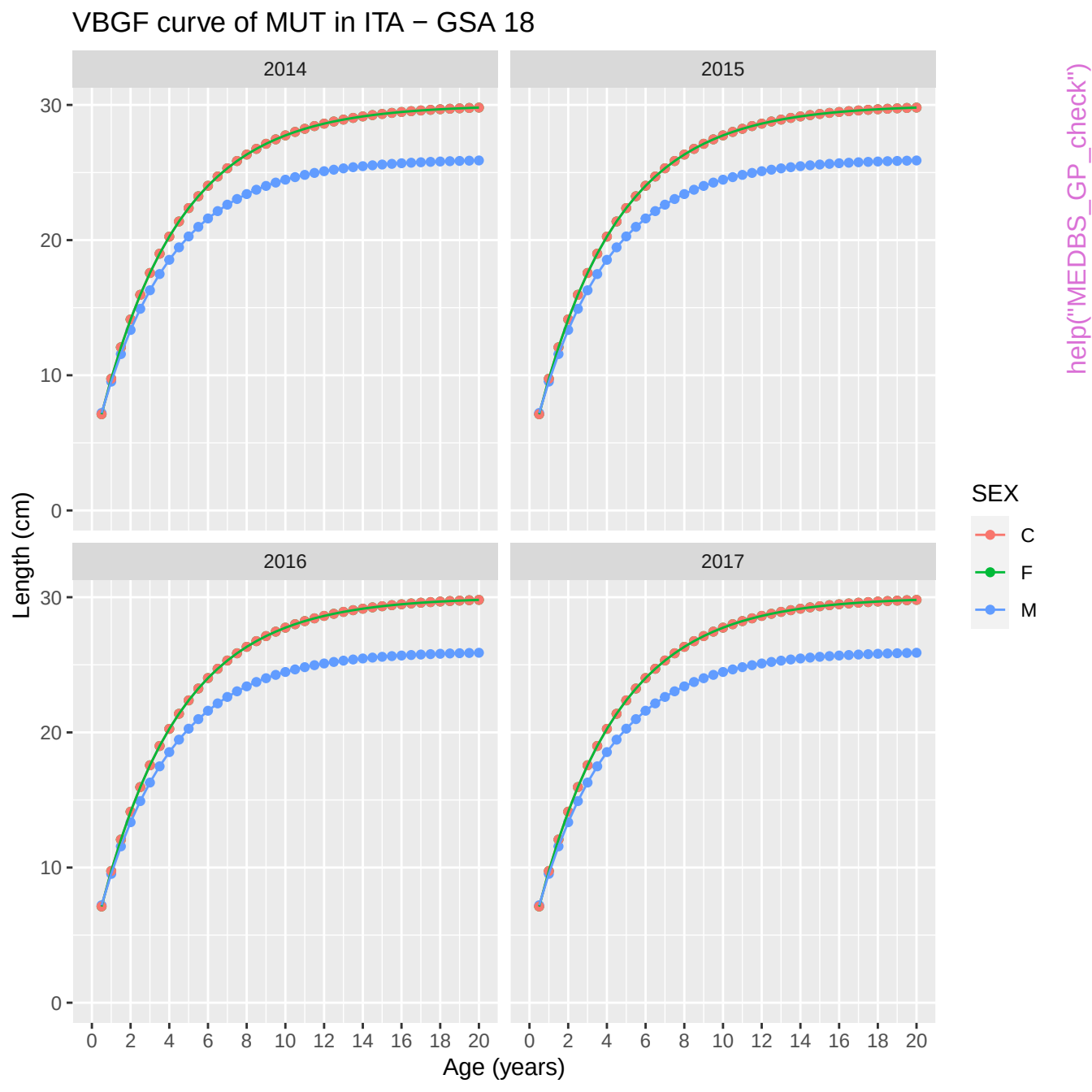

Females − MUT − ITA − GSA 99
2012
2013
2014
2016
Length (cm)
Age
help("MEDBS_ALK")
10
15
20
25
0.0
2.5
5.0
7.5

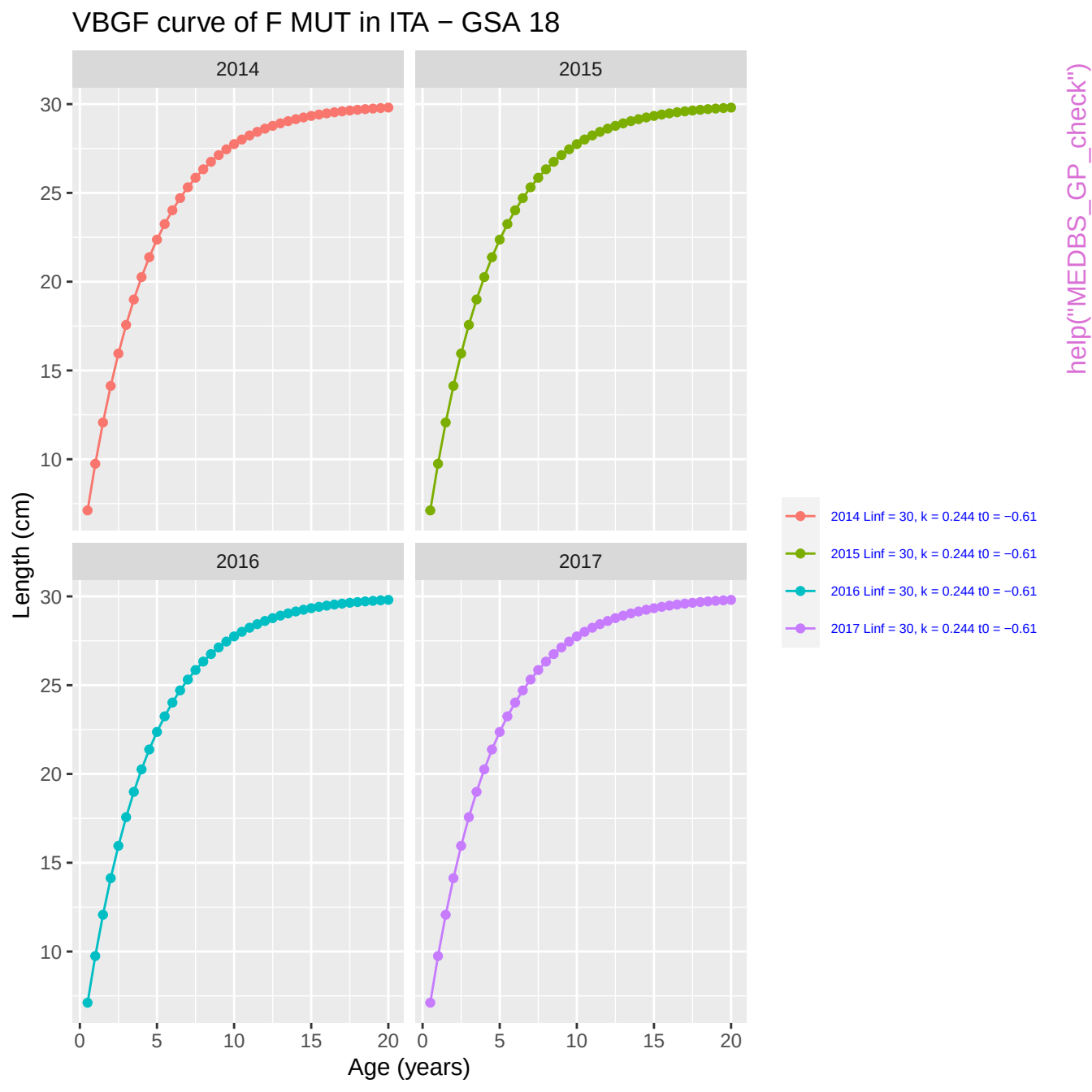

Males − MUT − ITA − GSA 99
2012
2013
2014
2016
Length (cm)
Age
help("MEDBS_ALK")
9
12
15
18
0
1
2
3
4
5

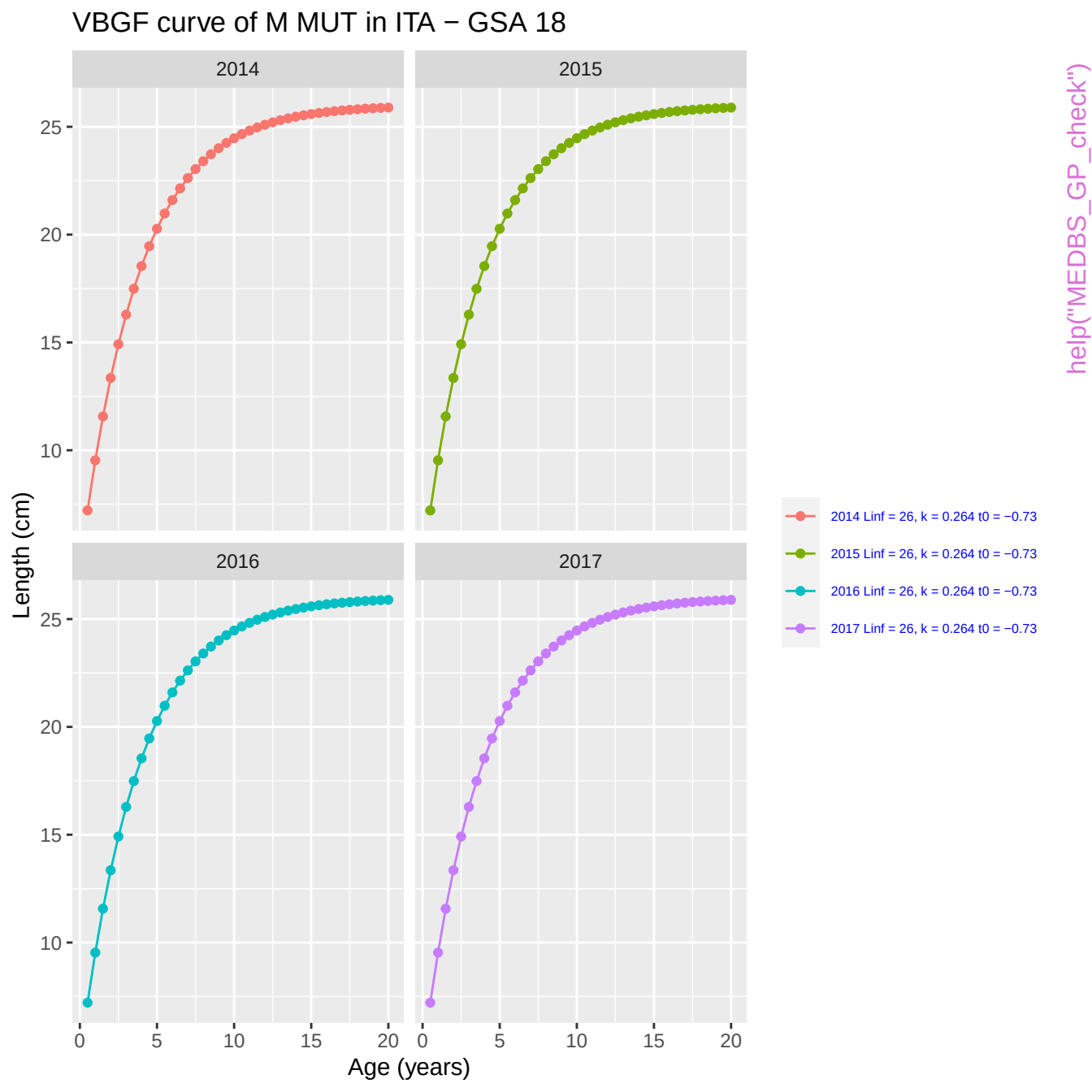

Combined sexes − MUT − ITA − GSA 99
2012
2013
2014
2016
Length (cm)
Age
help("MEDBS_ALK")
10
20
0
2
4
6
8

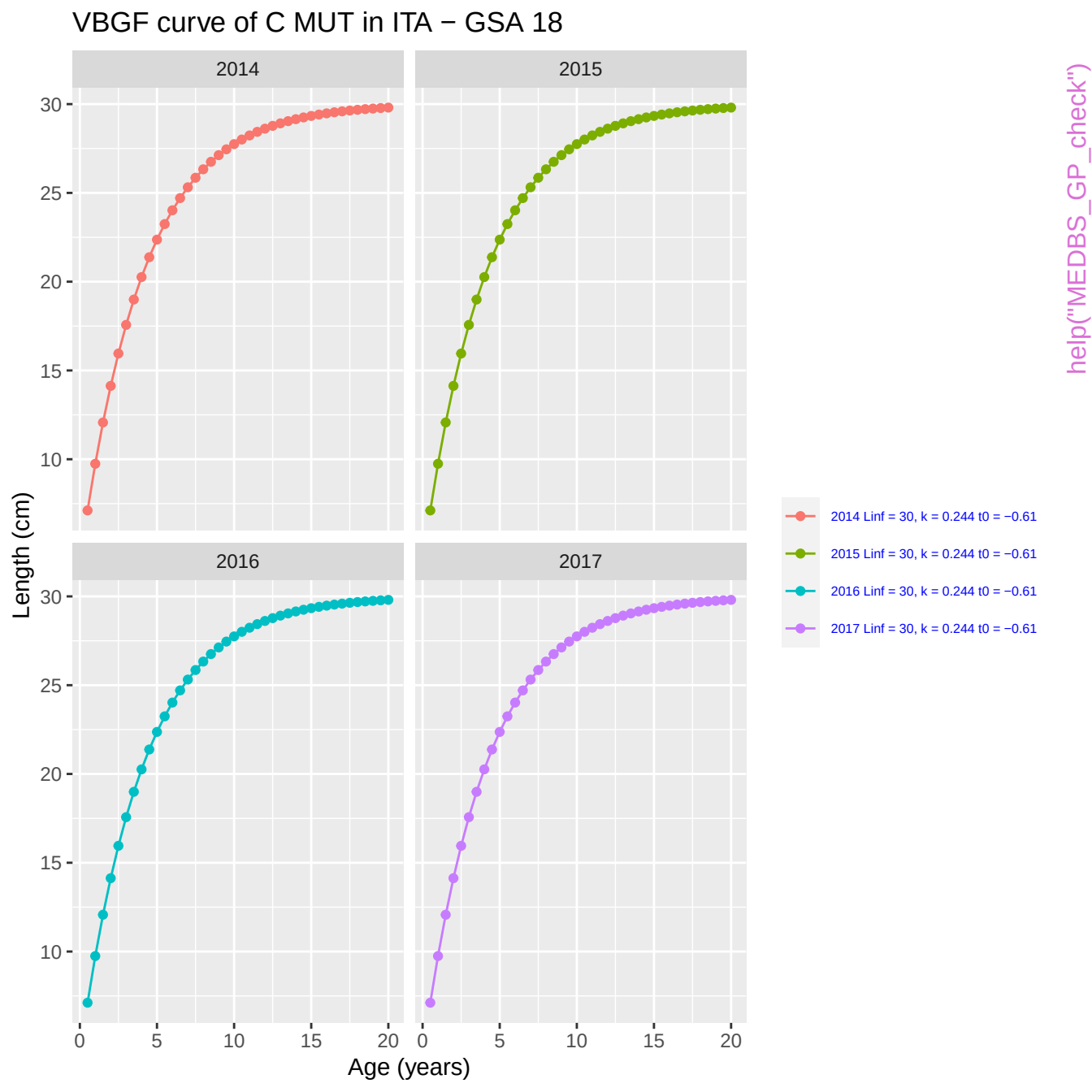

Landings in catch of DPS in ITA − GSA 9
tonnes
750
500
250
0
2003
2005
2007
2009
2011
2013
2015
2017
gear
GNS
GTR
OTB
help("MEDBS_Catch_coverage")

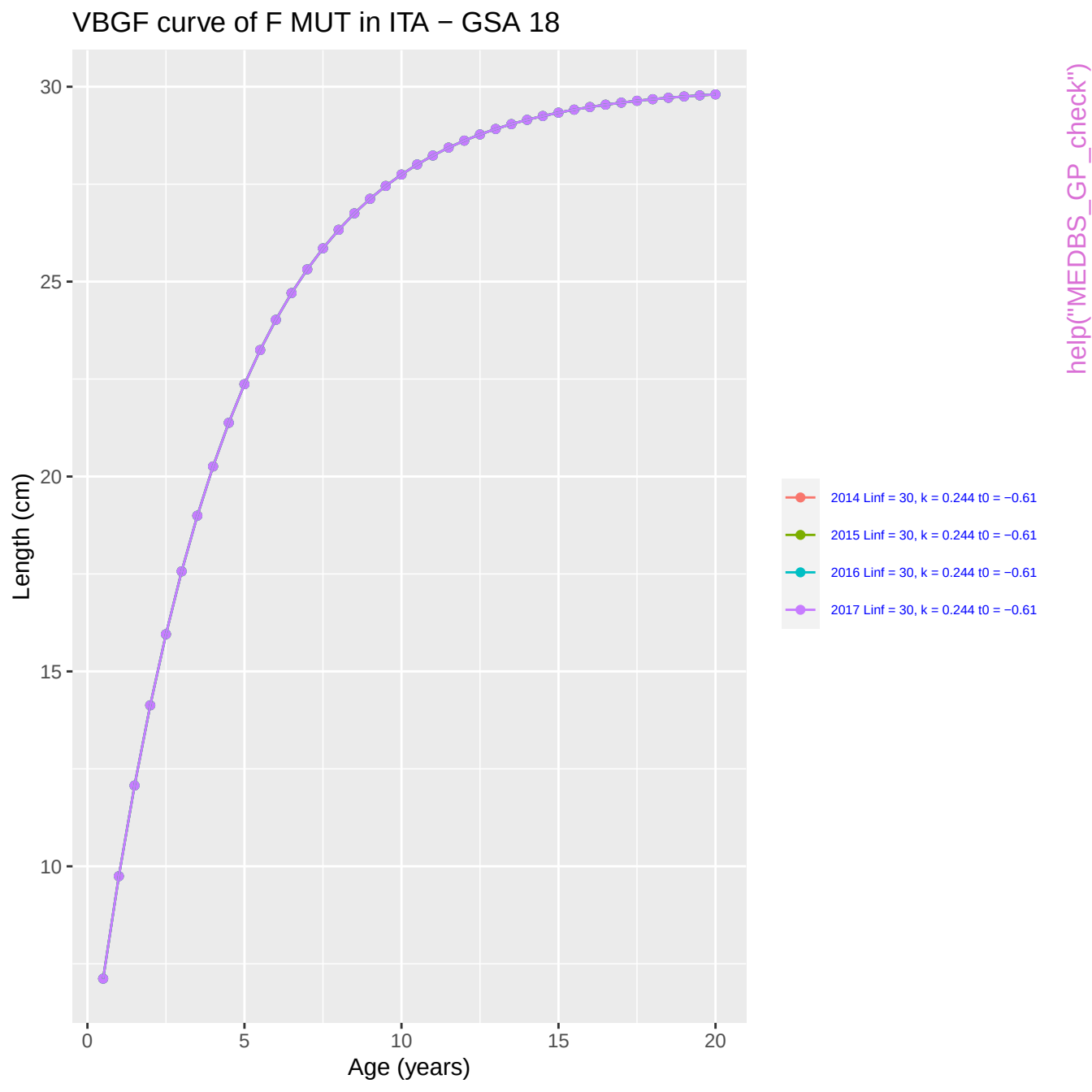

Discards in catch of DPS in ITA − GSA 9
tonnes
0
25
50
75
2003
2005
2007
2009
2011
2013
2015
2017
gear
GNS
GTR
OTB
help("MEDBS_Catch_coverage")

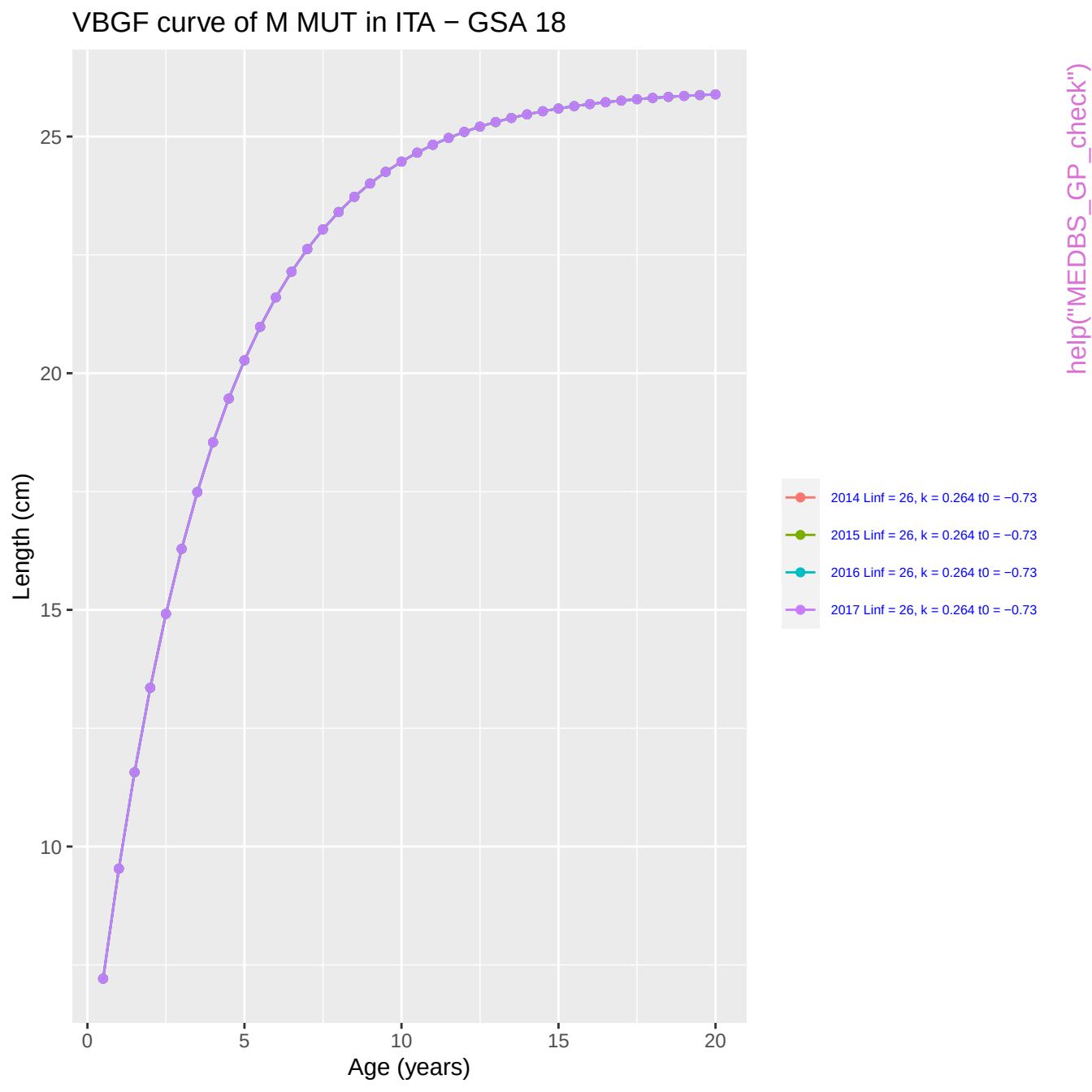

VBGF curve of MUT in ITA − GSA 18
2014
2015
2016
2017
Length (cm)
Age (years)
SEX
C
F
M
help("MEDBS_GP_check")

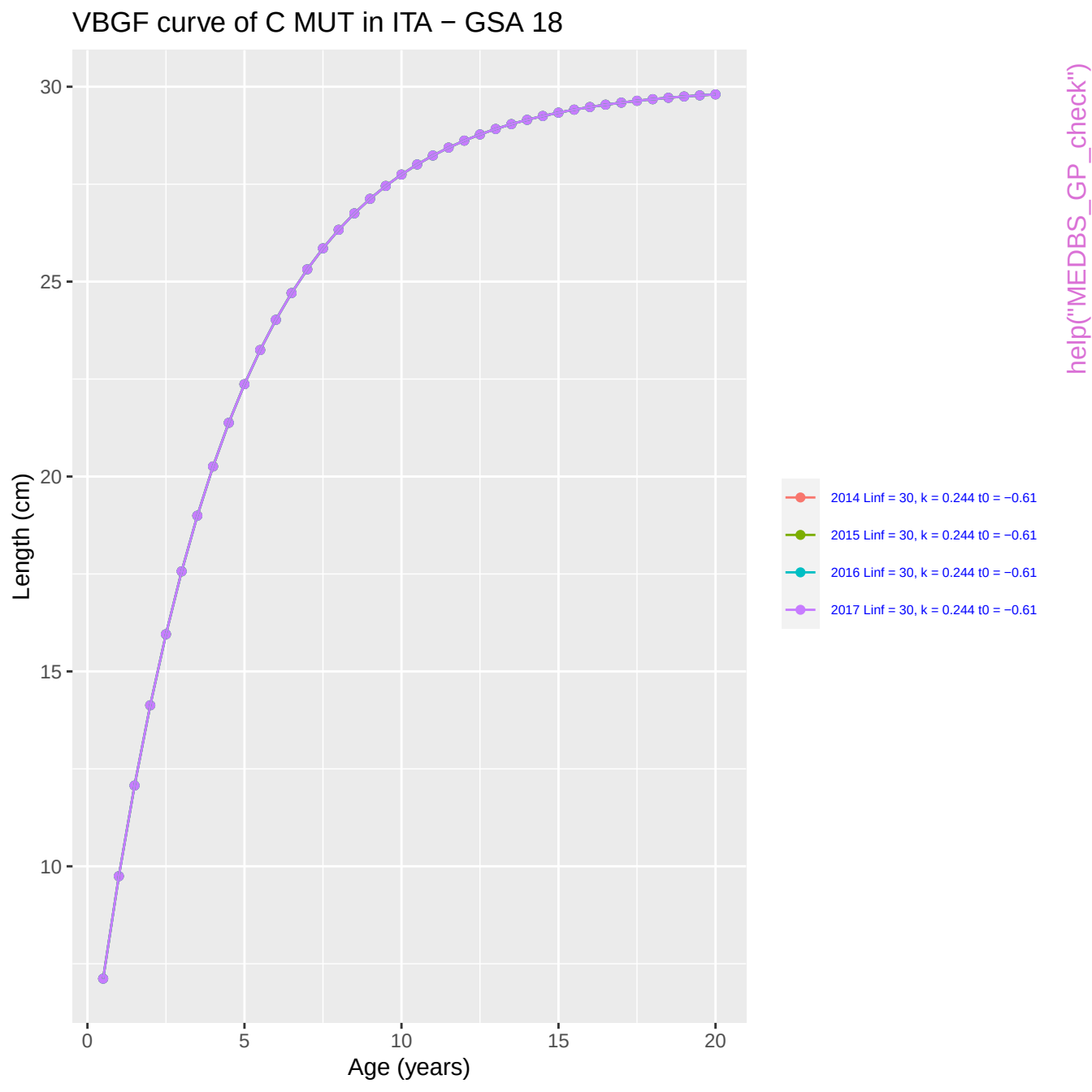

VBGF curve of F MUT in ITA − GSA 18
2014
2015
2016
2017
Length (cm)
Age (years)
2014 Linf = 30, k = 0.244 t0 = −0.61
2015 Linf = 30, k = 0.244 t0 = −0.61
2016 Linf = 30, k = 0.244 t0 = −0.61
2017 Linf = 30, k = 0.244 t0 = −0.61
help("MEDBS_GP_check")

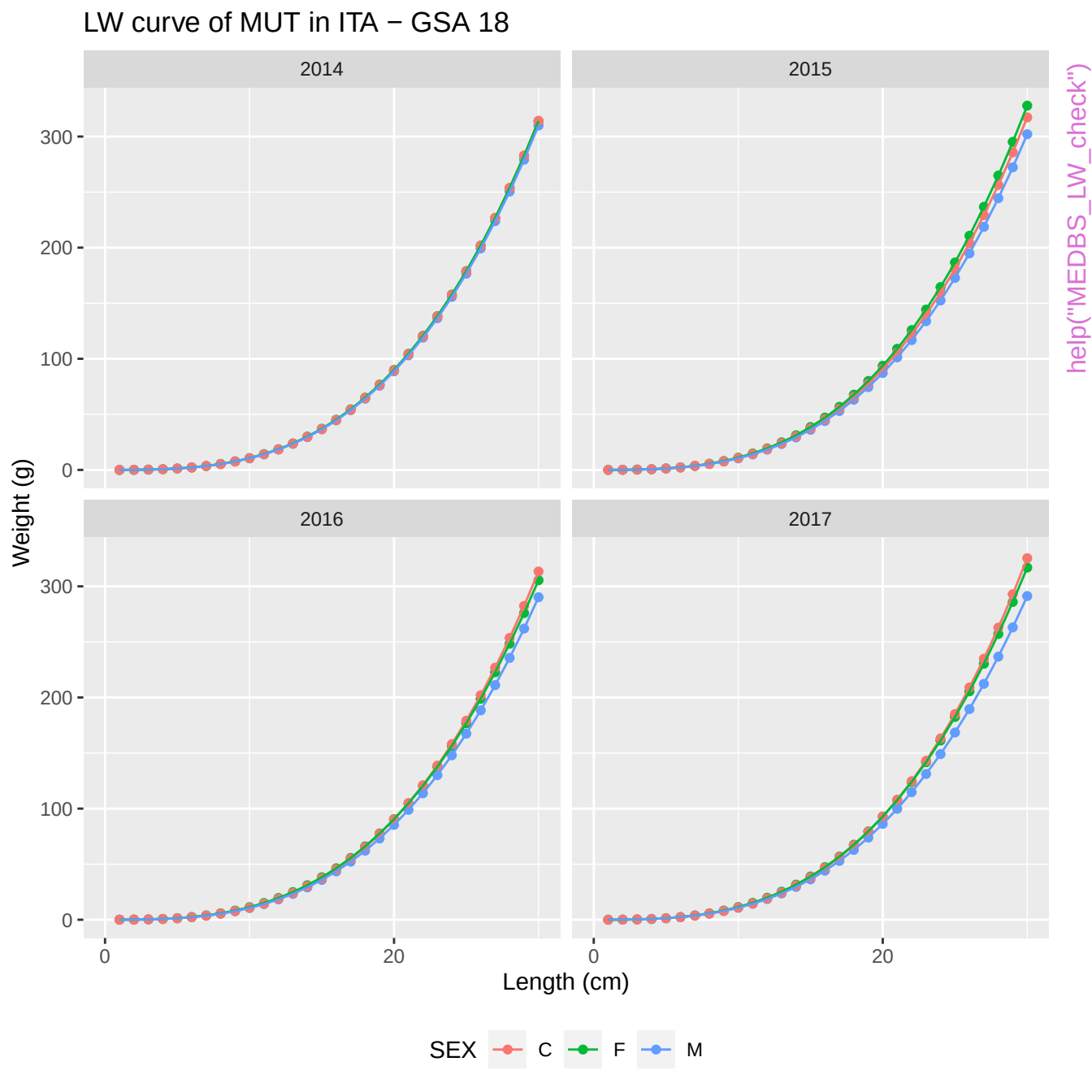

VBGF curve of M MUT in ITA − GSA 18
2014
2015
2016
2017
Length (cm)
Age (years)
2014 Linf = 26, k = 0.264 t0 = −0.73
2015 Linf = 26, k = 0.264 t0 = −0.73
2016 Linf = 26, k = 0.264 t0 = −0.73
2017 Linf = 26, k = 0.264 t0 = −0.73
help("MEDBS_GP_check")

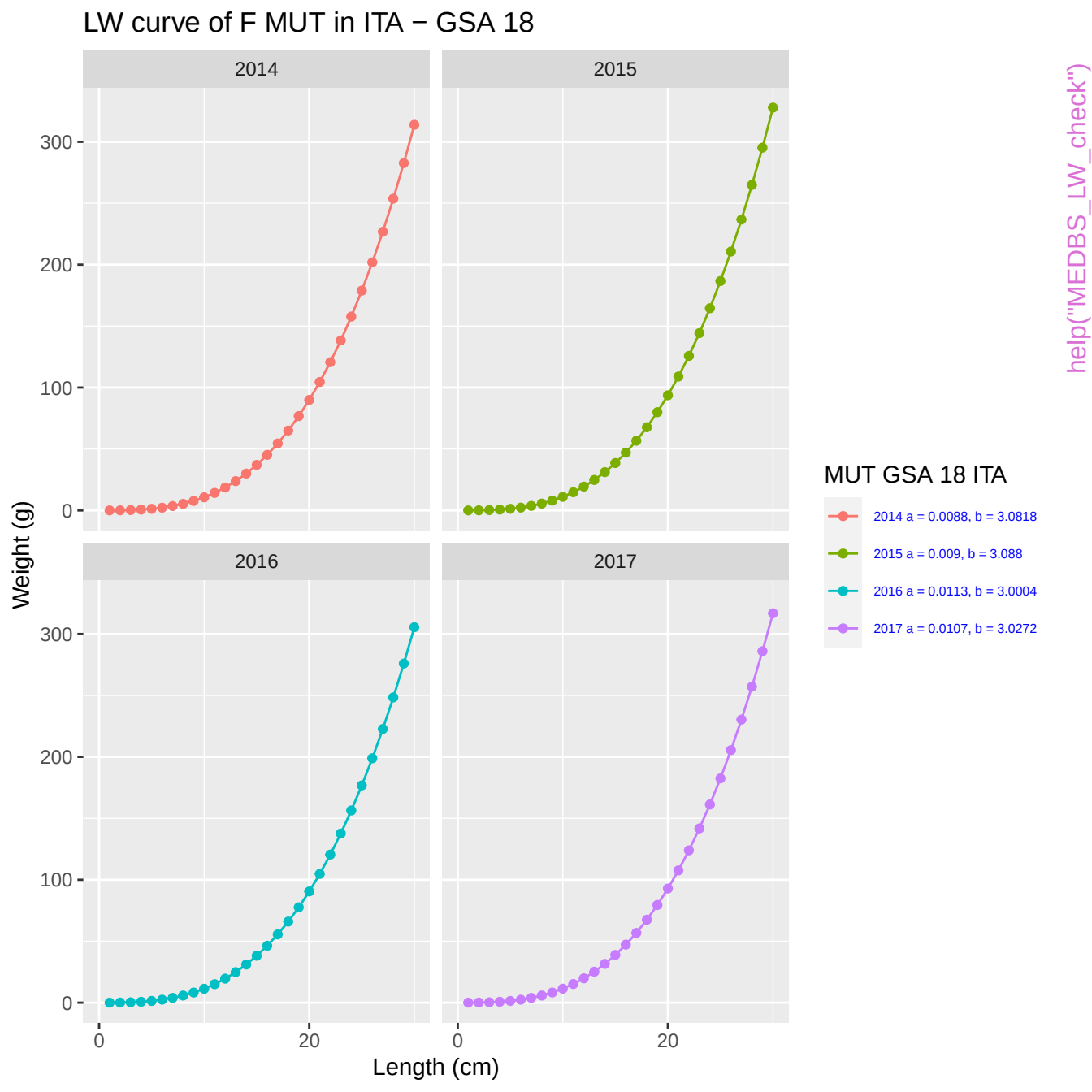

VBGF curve of C MUT in ITA − GSA 18
2014
2015
2016
2017
Length (cm)
Age (years)
2014 Linf = 30, k = 0.244 t0 = −0.61
2015 Linf = 30, k = 0.244 t0 = −0.61
2016 Linf = 30, k = 0.244 t0 = −0.61
2017 Linf = 30, k = 0.244 t0 = −0.61
help("MEDBS_GP_check")

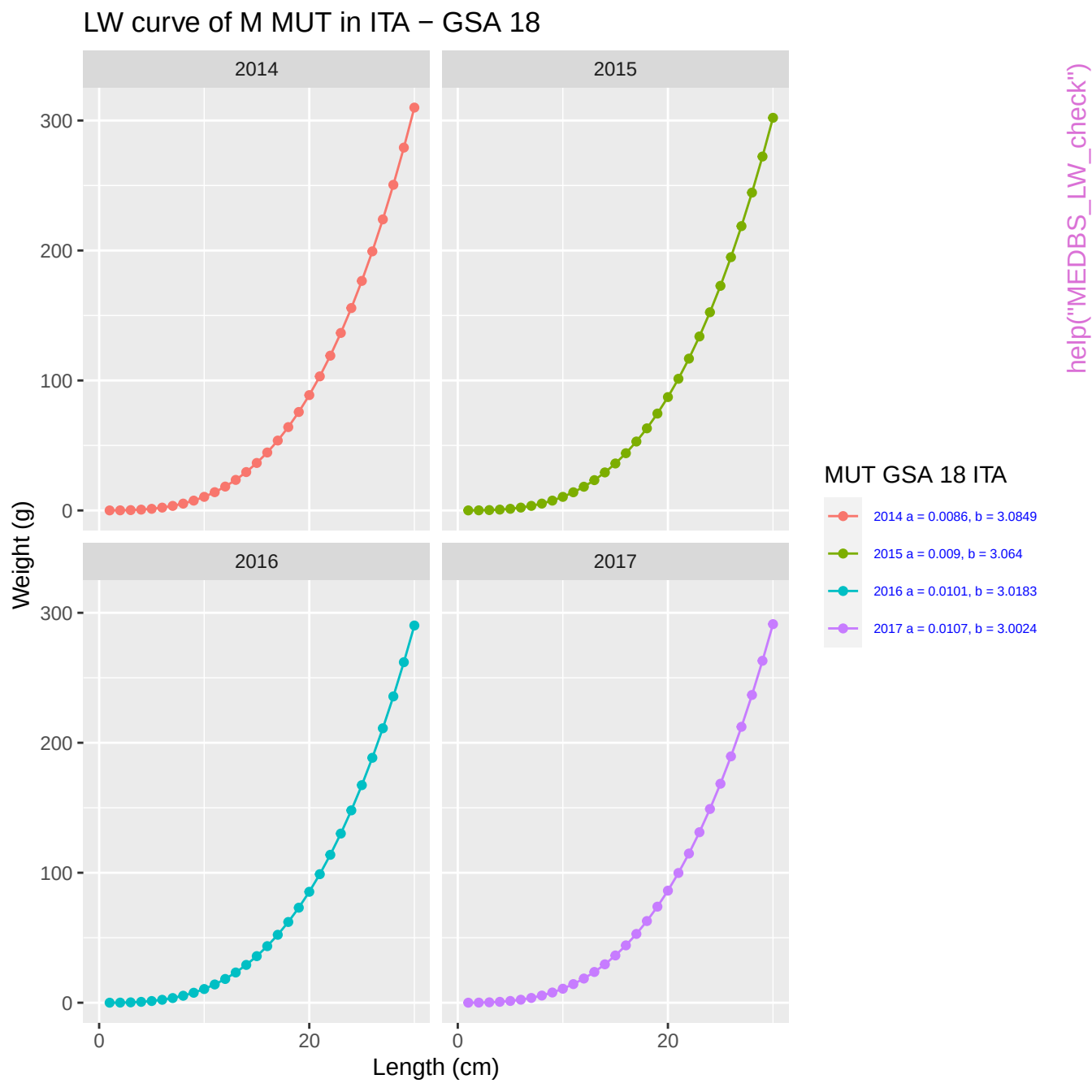

VBGF curve of F MUT in ITA − GSA 18
Length (cm)
30
25
20
15
10
0
5
10
15
20
Age (years)
2014 Linf = 30, k = 0.244 t0 = −0.61
2015 Linf = 30, k = 0.244 t0 = −0.61
2016 Linf = 30, k = 0.244 t0 = −0.61
2017 Linf = 30, k = 0.244 t0 = −0.61
help("MEDBS_GP_check")

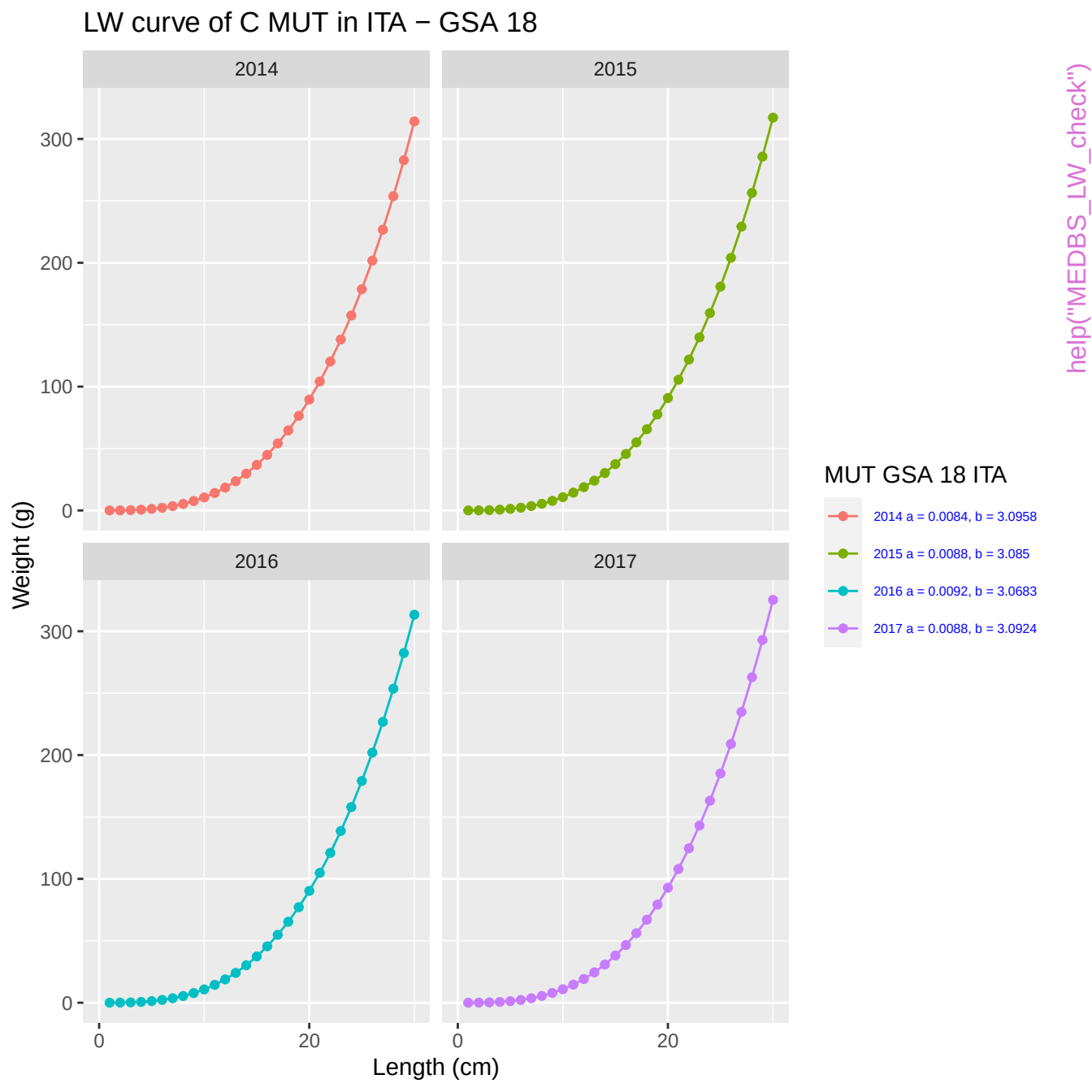

VBGF curve of M MUT in ITA − GSA 18
Length (cm)
25
20
15
10
0
5
10
15
20
Age (years)
2014 Linf = 26, k = 0.264 t0 = −0.73
2015 Linf = 26, k = 0.264 t0 = −0.73
2016 Linf = 26, k = 0.264 t0 = −0.73
2017 Linf = 26, k = 0.264 t0 = −0.73
help("MEDBS_GP_check")

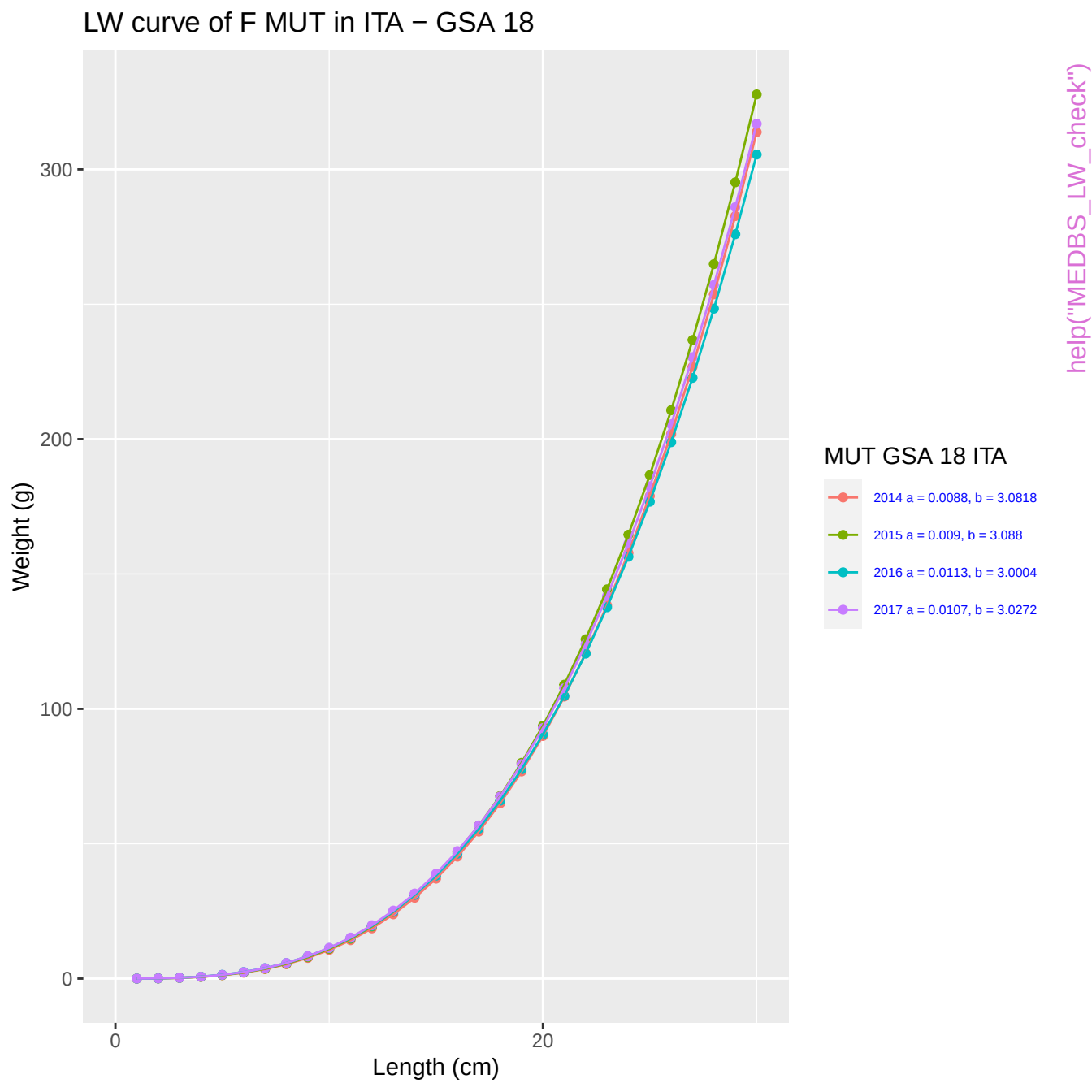

VBGF curve of C MUT in ITA − GSA 18
Length (cm)
30
25
20
15
10
0
5
10
15
20
Age (years)
2014 Linf = 30, k = 0.244 t0 = −0.61
2015 Linf = 30, k = 0.244 t0 = −0.61
2016 Linf = 30, k = 0.244 t0 = −0.61
2017 Linf = 30, k = 0.244 t0 = −0.61
help("MEDBS_GP_check")

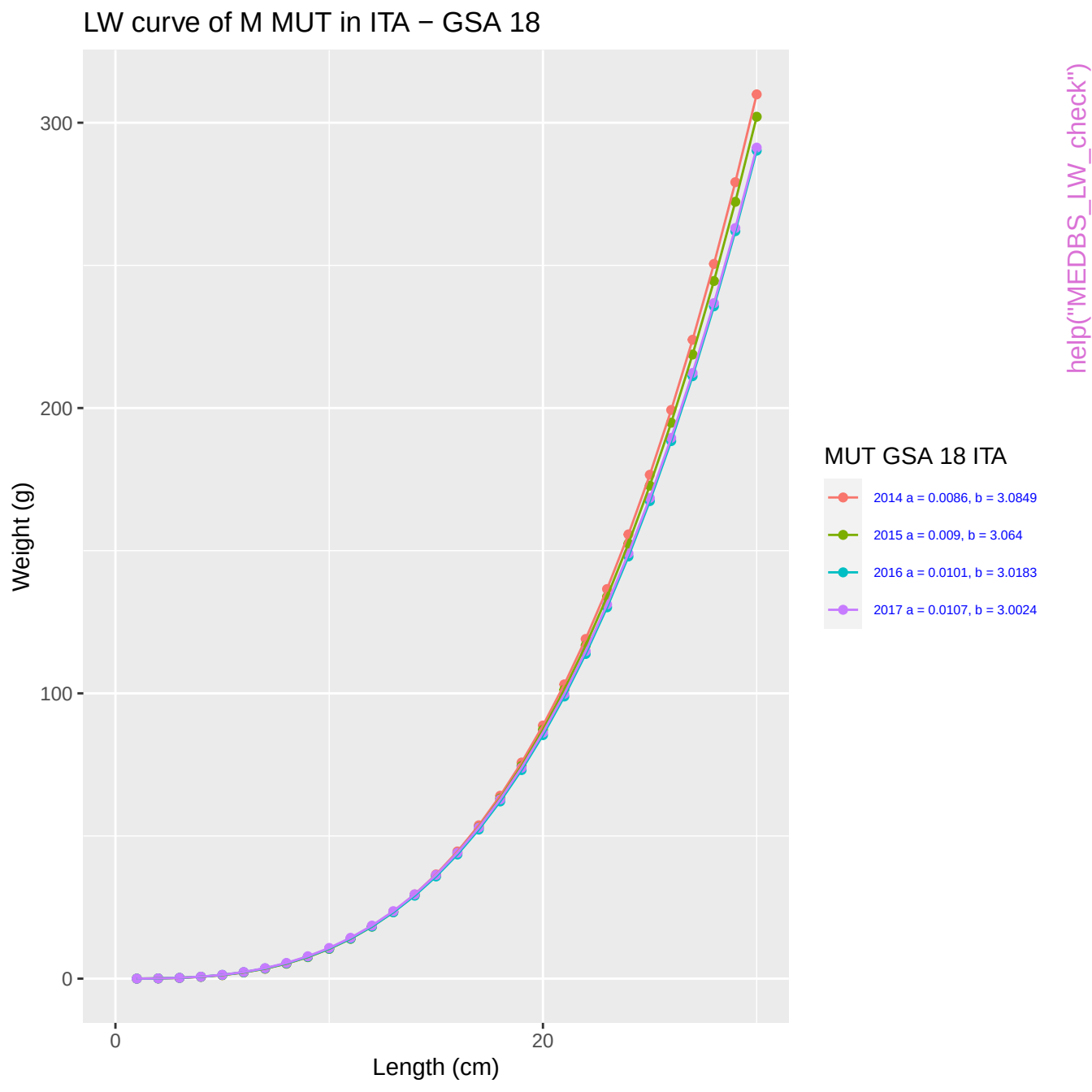

LW curve of MUT in ITA − GSA 18
2014
2015
2016
2017
Weight (g)
Length (cm)
0
100
200
300
0
20
help("MEDBS_LW_check")
SEX
C
F
M

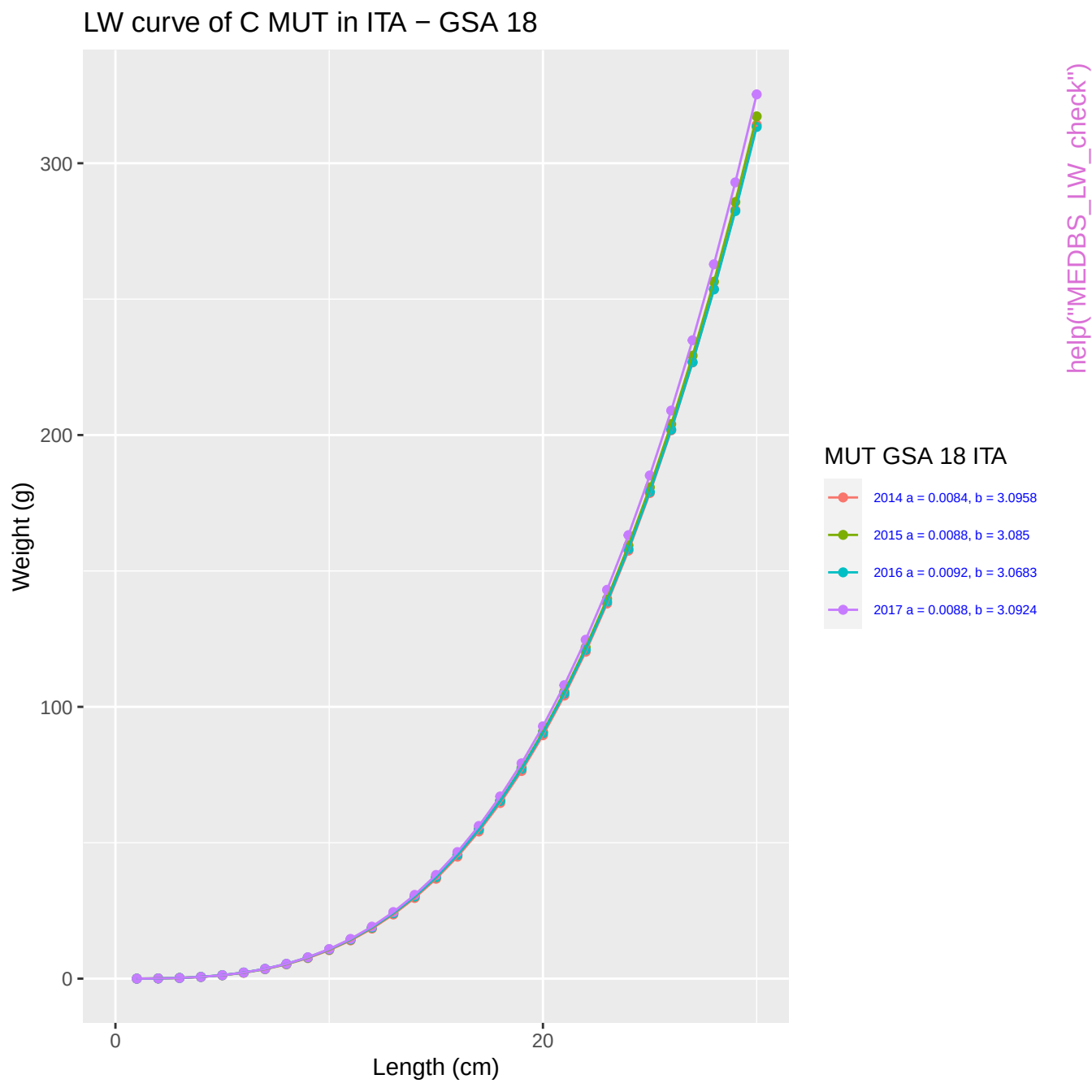

LW curve of F MUT in ITA − GSA 18
2014
2015
2016
2017
Weight (g)
Length (cm)
0
100
200
300
0
20
MUT GSA 18 ITA
2014 a = 0.0088, b = 3.0818
2015 a = 0.009, b = 3.088
2016 a = 0.0113, b = 3.0004
2017 a = 0.0107, b = 3.0272
help("MEDBS_LW_check")

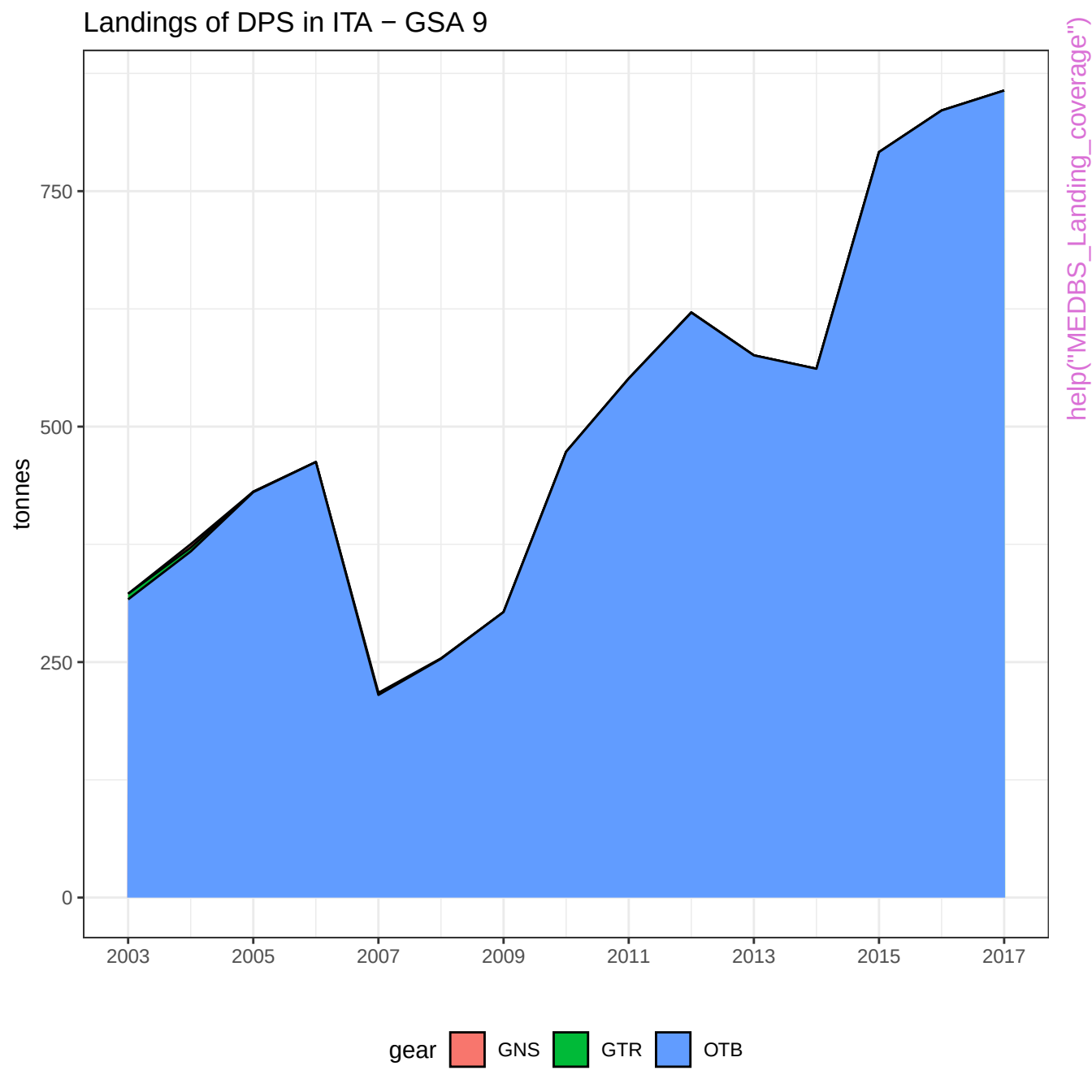

LW curve of M MUT in ITA − GSA 18
2014
2015
2016
2017
Weight (g)
Length (cm)
0
100
200
300
0
20
MUT GSA 18 ITA
2014 a = 0.0086, b = 3.0849
2015 a = 0.009, b = 3.064
2016 a = 0.0101, b = 3.0183
2017 a = 0.0107, b = 3.0024
help("MEDBS_LW_check")

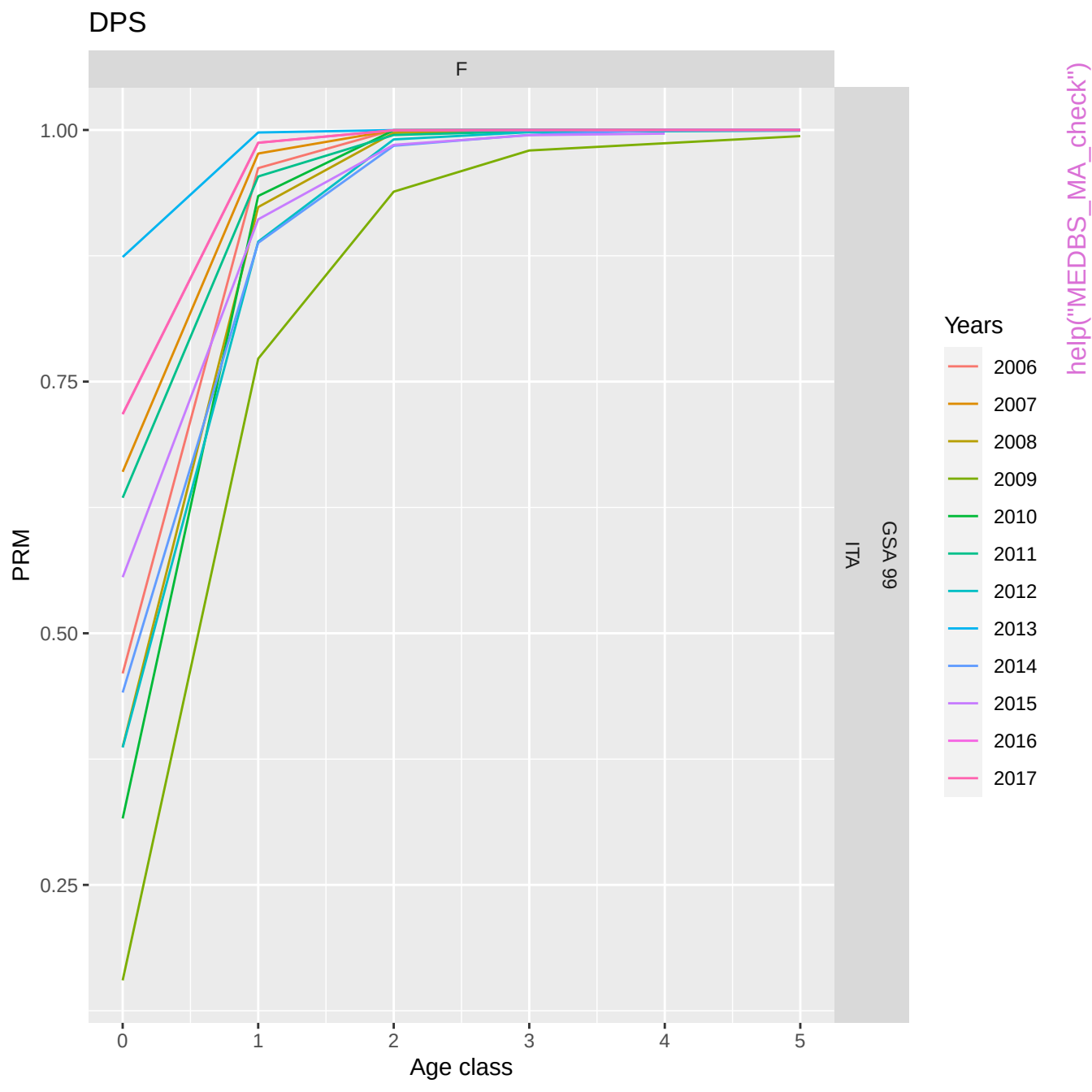

LW curve of C MUT in ITA − GSA 18
2014
2015
2016
2017
Weight (g)
Length (cm)
0
100
200
300
0
20
MUT GSA 18 ITA
2014 a = 0.0084, b = 3.0958
2015 a = 0.0088, b = 3.085
2016 a = 0.0092, b = 3.0683
2017 a = 0.0088, b = 3.0924
help("MEDBS_LW_check")

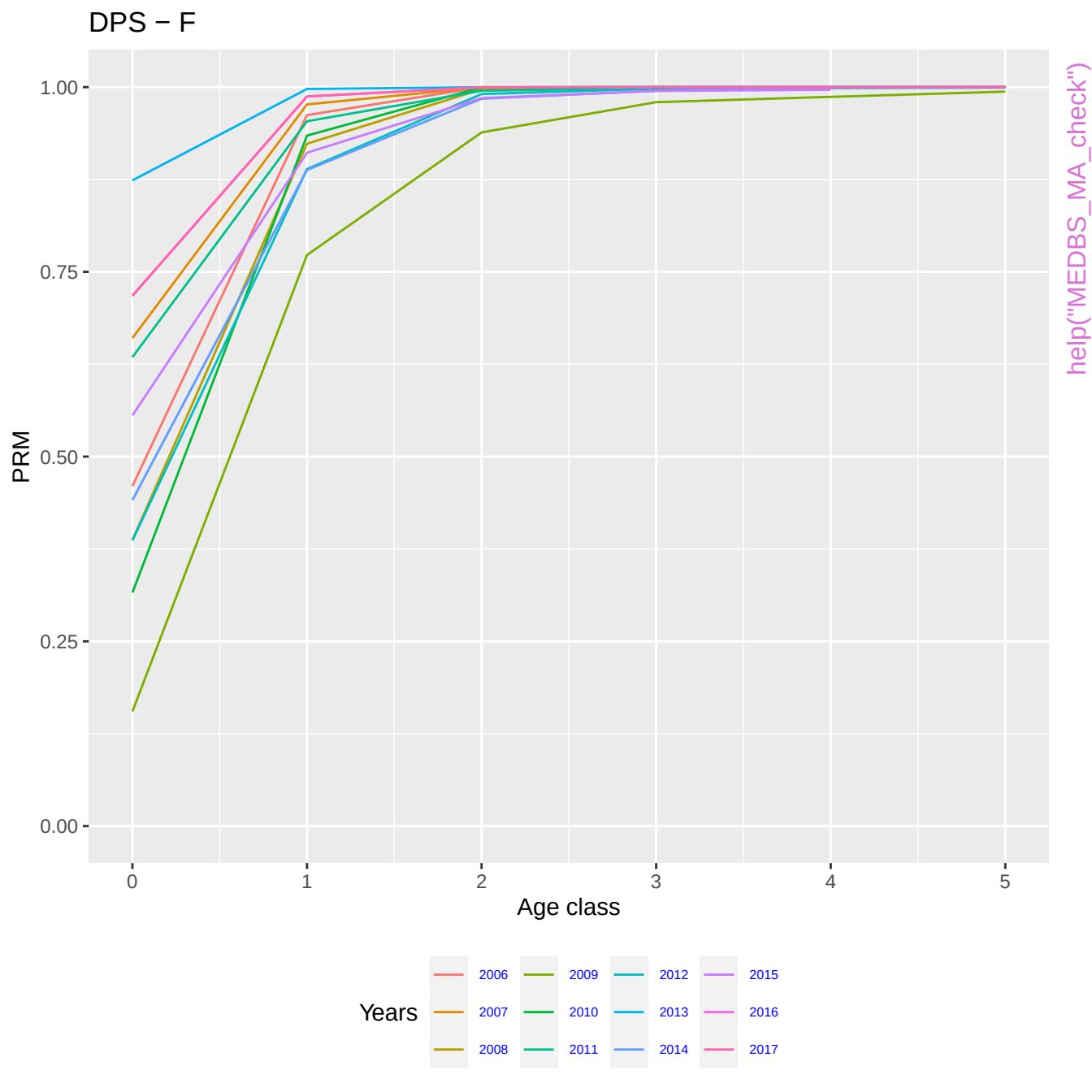

LW curve of F MUT in ITA − GSA 18
Weight (g)
300
200
100
0
0
20
Length (cm)
MUT GSA 18 ITA
2014 a = 0.0088, b = 3.0818
2015 a = 0.009, b = 3.088
2016 a = 0.0113, b = 3.0004
2017 a = 0.0107, b = 3.0272
help("MEDBS_LW_check")

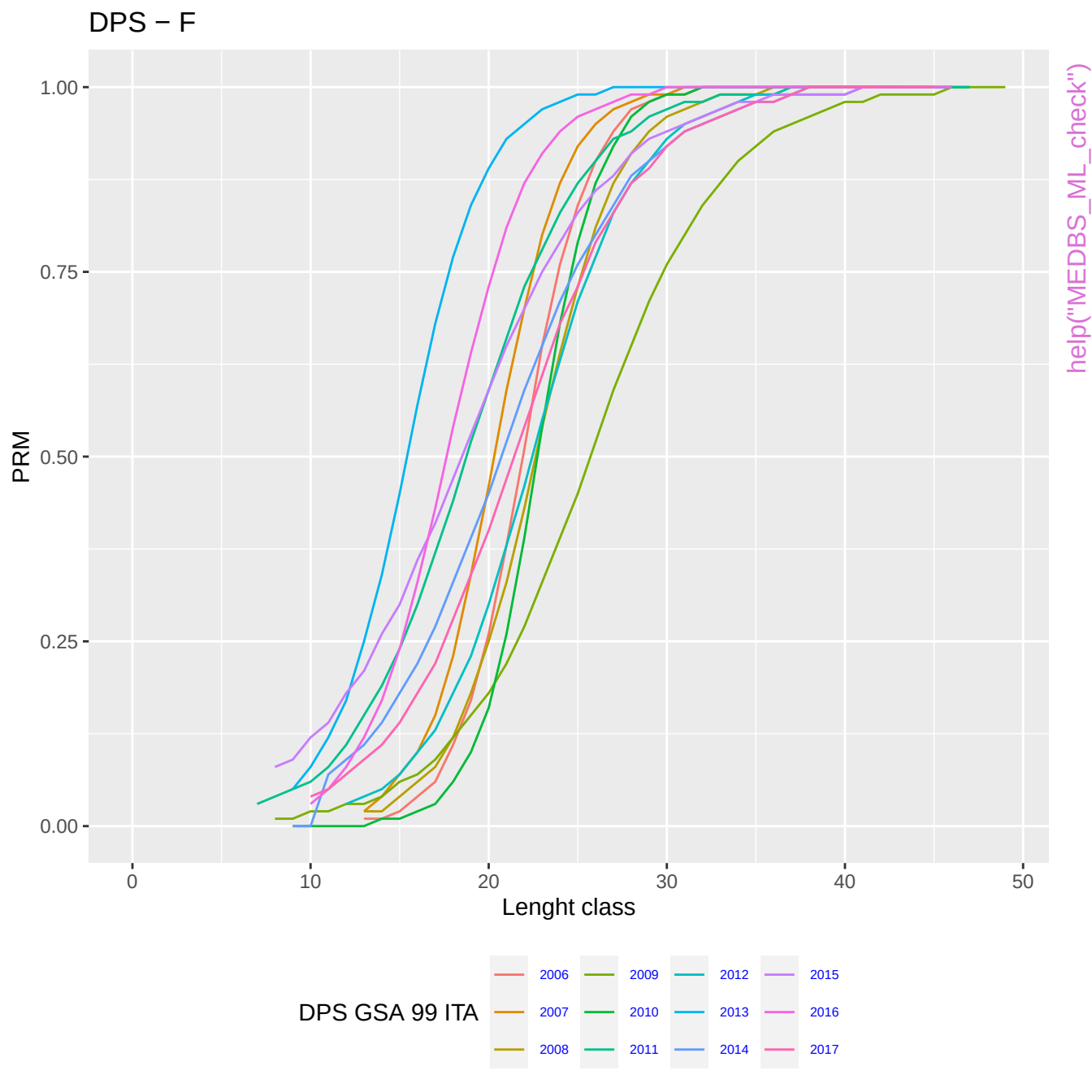

LW curve of M MUT in ITA − GSA 18
300
200
100
0
Weight (g)
0
20
Length (cm)
MUT GSA 18 ITA
2014 a = 0.0086, b = 3.0849
2015 a = 0.009, b = 3.064
2016 a = 0.0101, b = 3.0183
2017 a = 0.0107, b = 3.0024
help("MEDBS_LW_check")

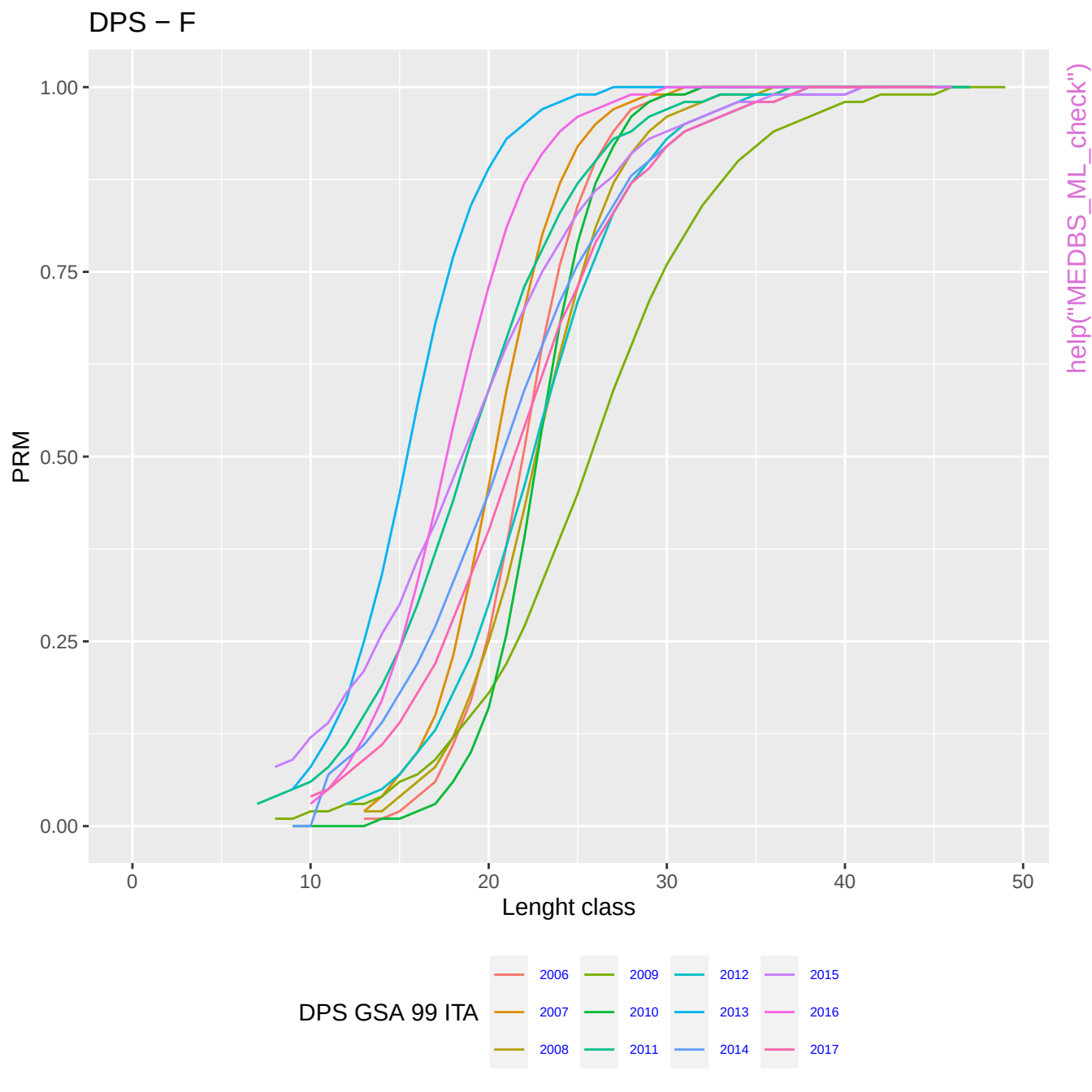

LW curve of C MUT in ITA − GSA 18
Weight (g)
300
200
100
0
0
20
Length (cm)
MUT GSA 18 ITA
2014 a = 0.0084, b = 3.0958
2015 a = 0.0088, b = 3.085
2016 a = 0.0092, b = 3.0683
2017 a = 0.0088, b = 3.0924
help("MEDBS_LW_check")

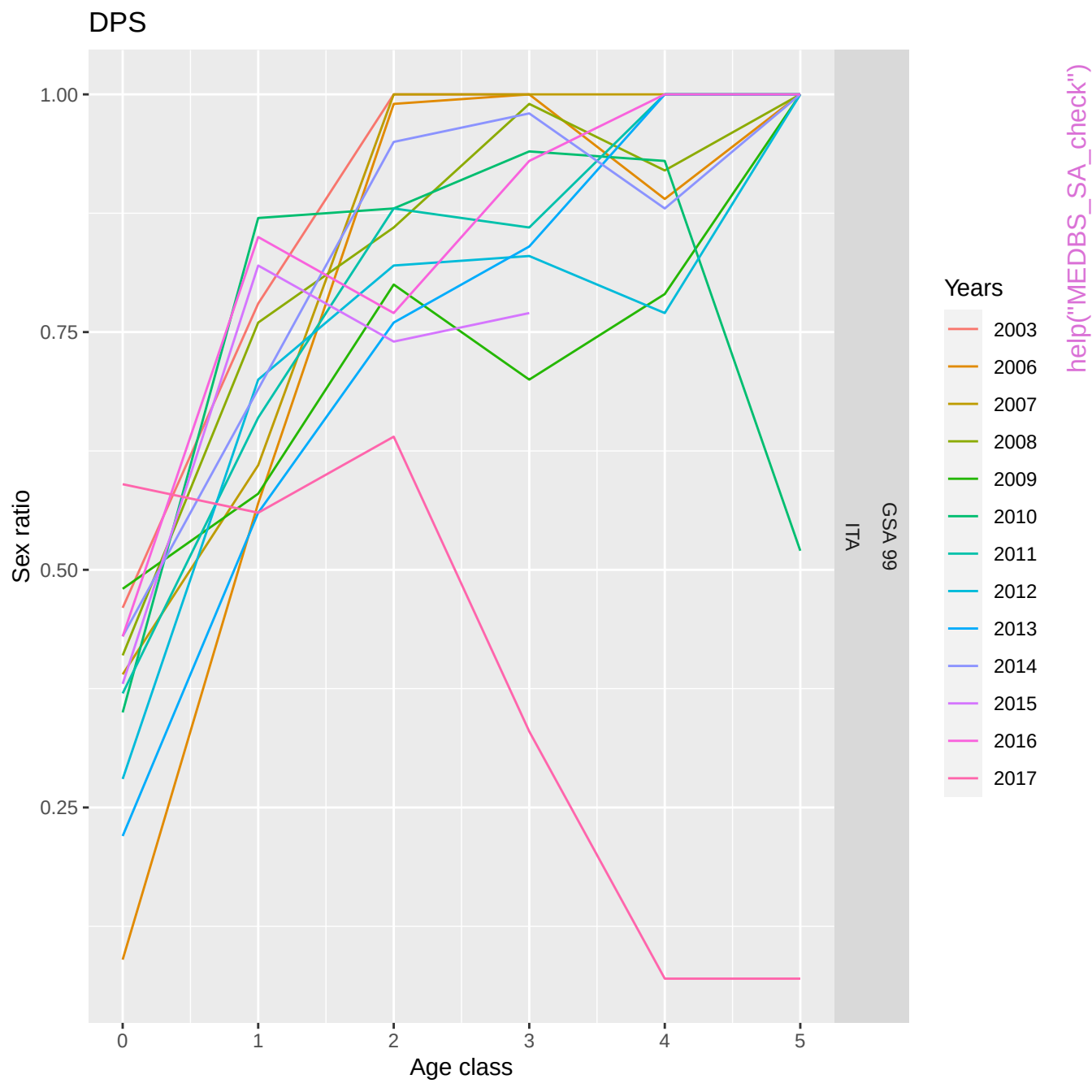

Landings of DPS in ITA − GSA 9
tonnes
750
500
250
0
2003
2005
2007
2009
2011
2013
2015
2017
gear
GNS
GTR
OTB
help("MEDBS_Landing_coverage")

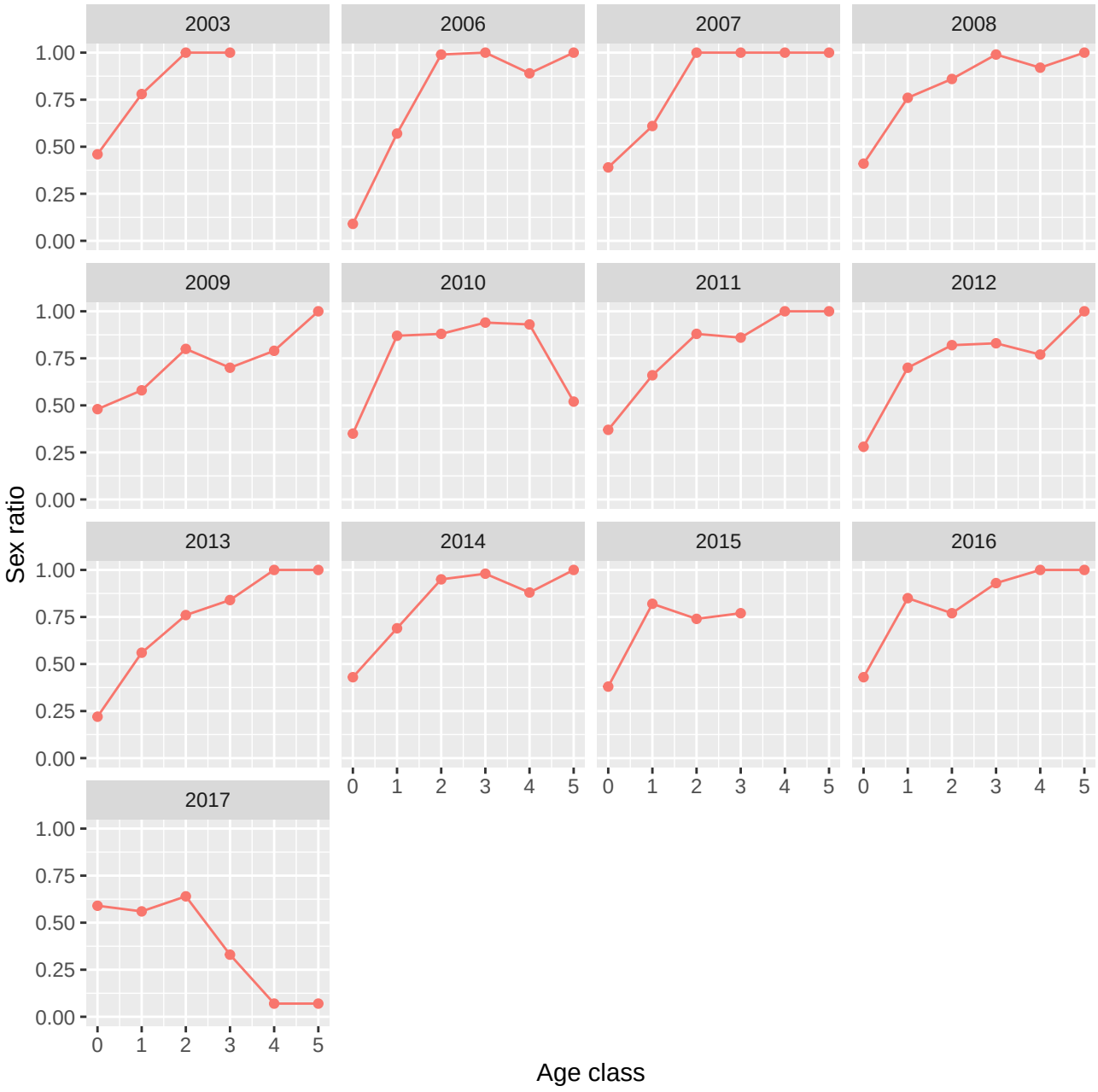

DPS
F
GSA 99
ITA
PRM
1.00
0.75
0.50
0.25
0
1
2
3
4
5
Age class
Years
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
help("MEDBS_MA_check")

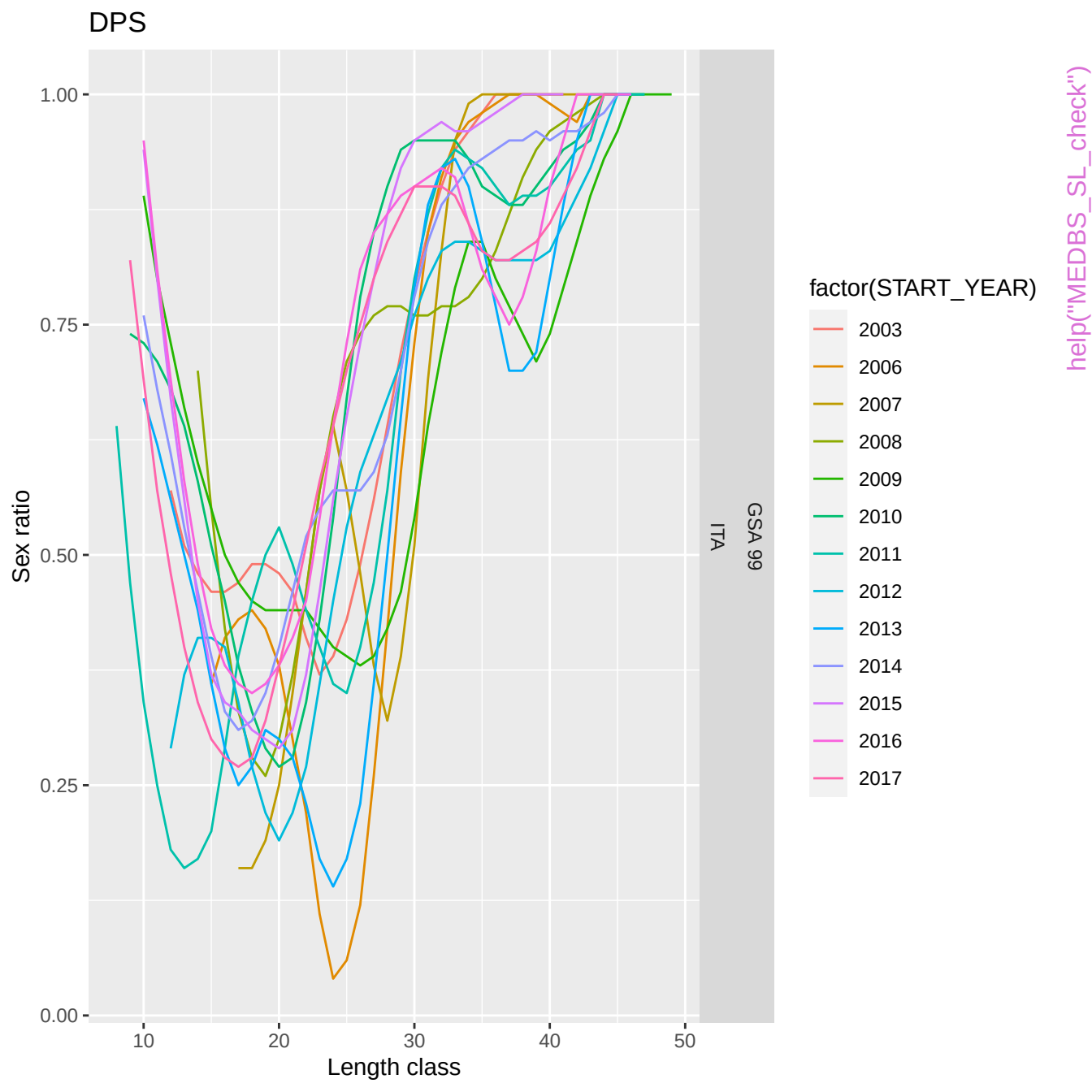

DPS − F
1.00
0.75
0.50
0.25
0.00
PRM
0
1
2
3
4
5
Age class
help("MEDBS_MA_check")
Years
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017

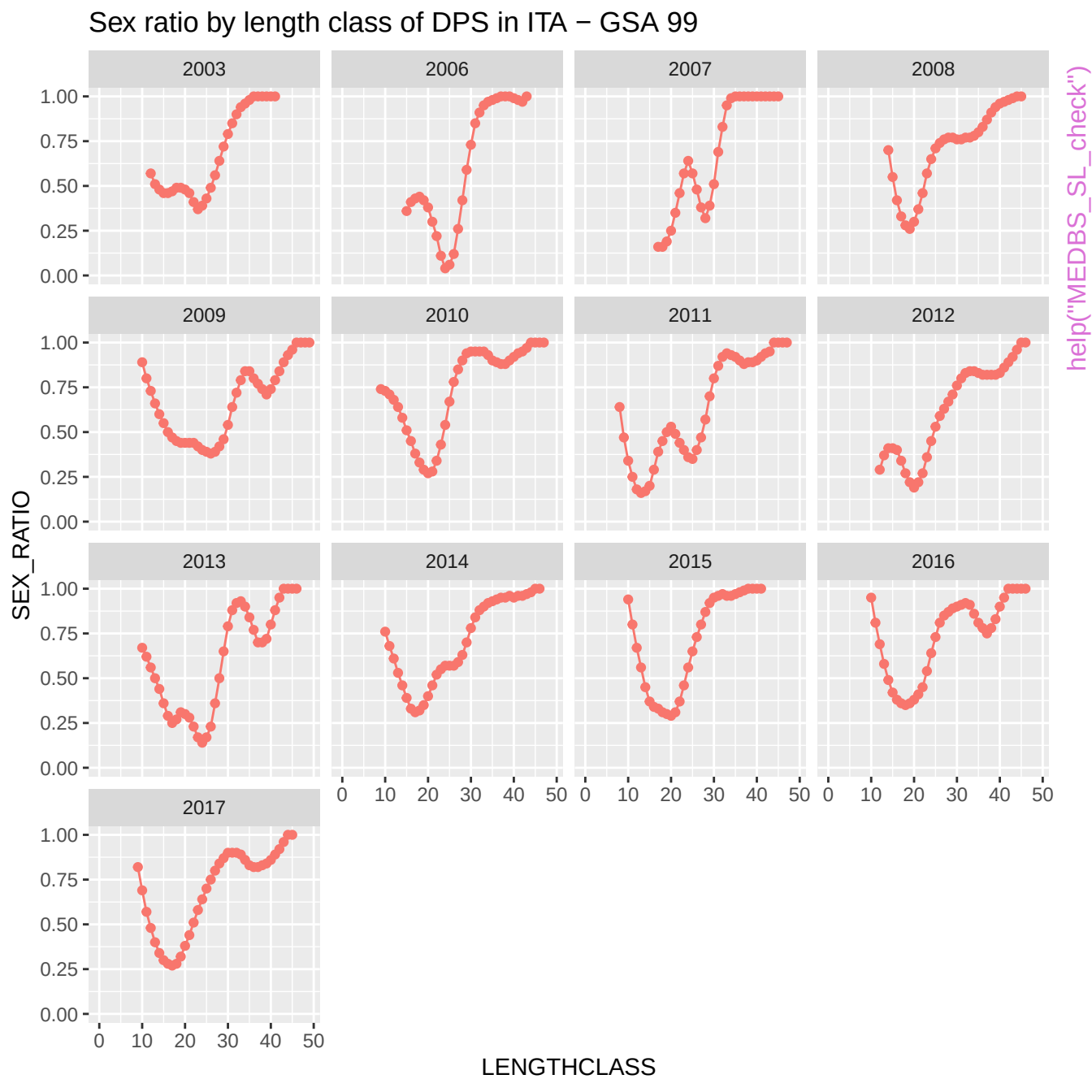

DPS − F
1.00
0.75
0.50
0.25
0.00
PRM
0
10
20
30
40
50
Lenght class
help("MEDBS_ML_check")
DPS GSA 99 ITA
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017

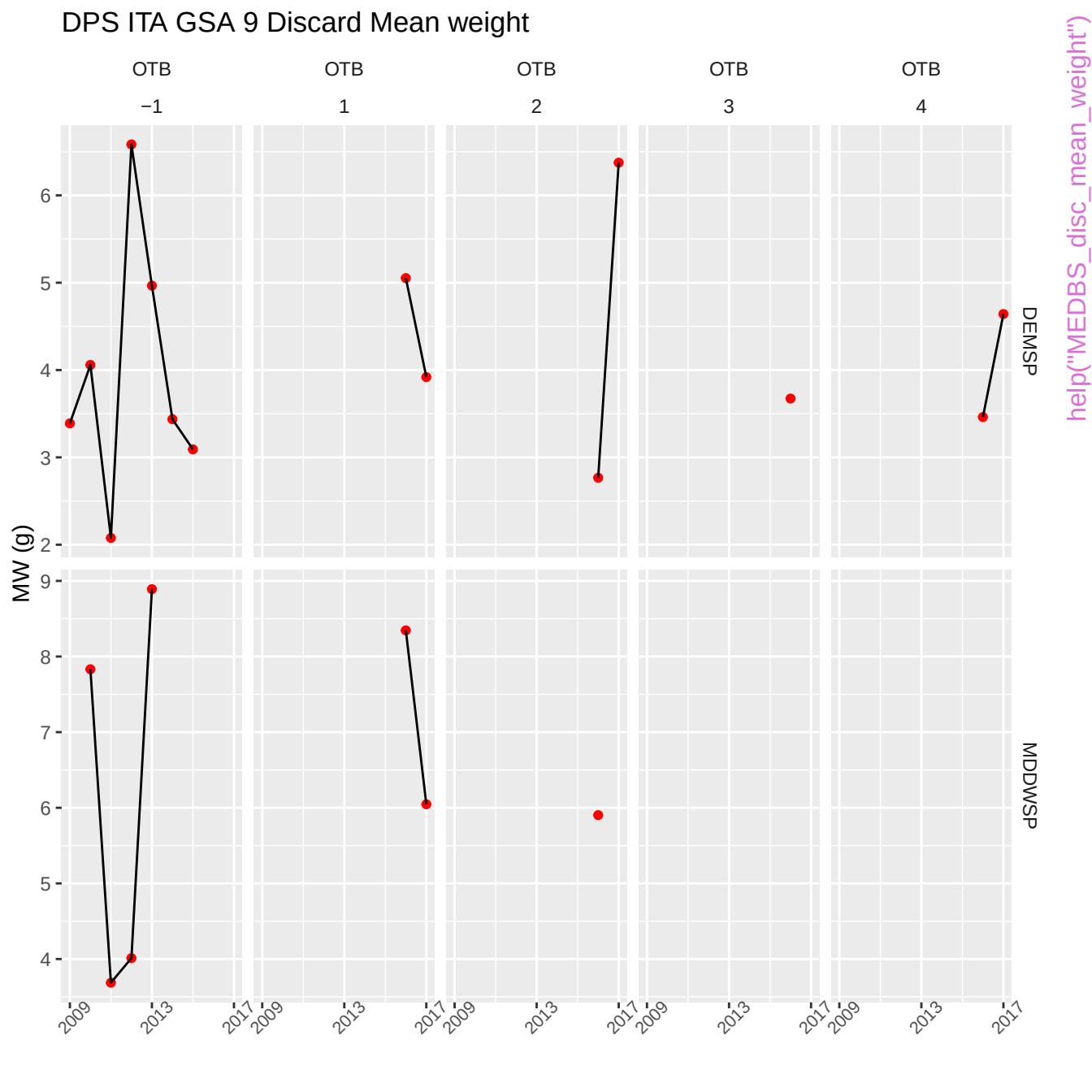

DPS − F
1.00
0.75
0.50
0.25
0.00
PRM
0
10
20
30
40
50
Lenght class
help("MEDBS_ML_check")
DPS GSA 99 ITA
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017

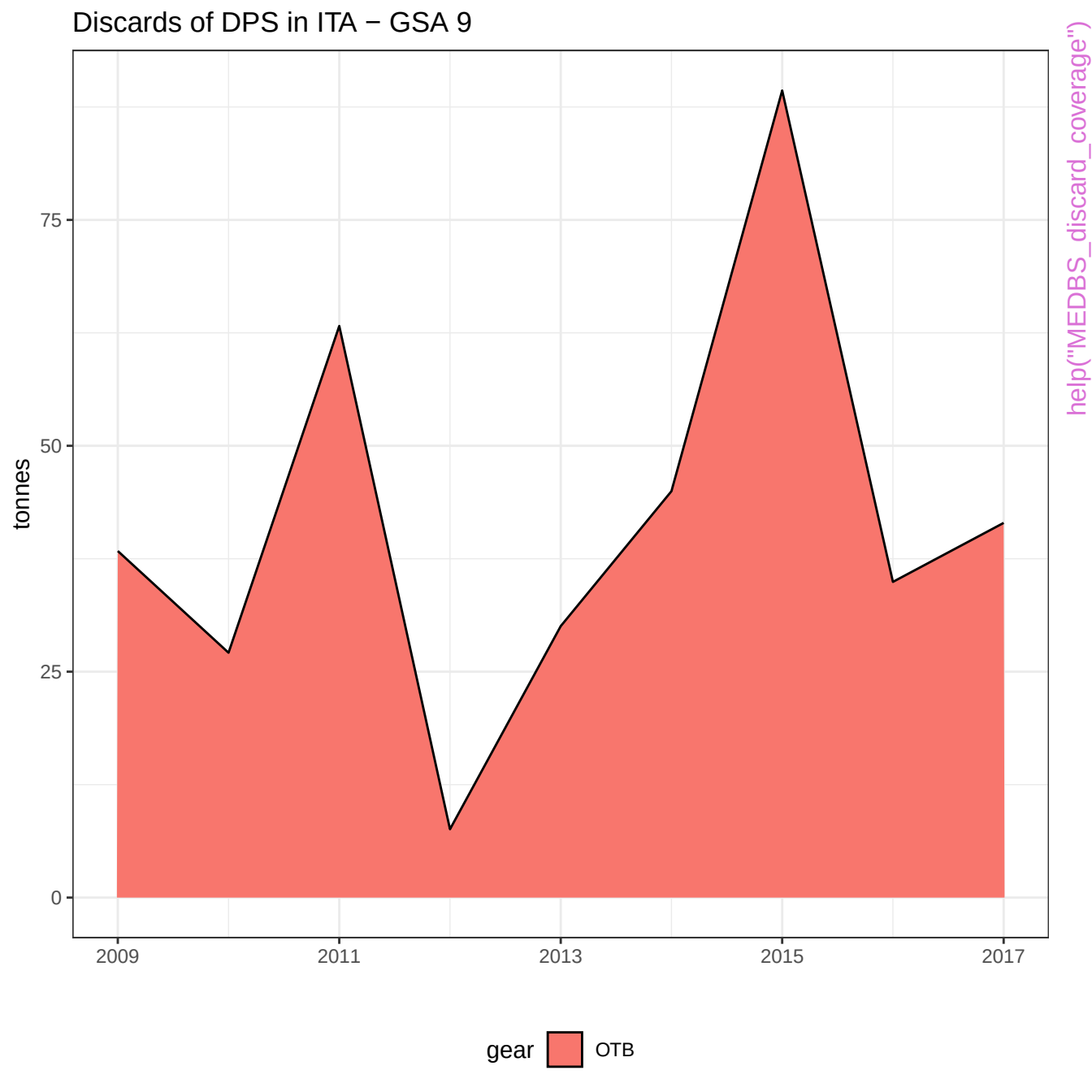

DPS
1.00
0.75
0.50
0.25
Sex ratio
0
1
2
3
4
5
Age class
GSA 99
ITA
Years
2003
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
help("MEDBS_SA_check")

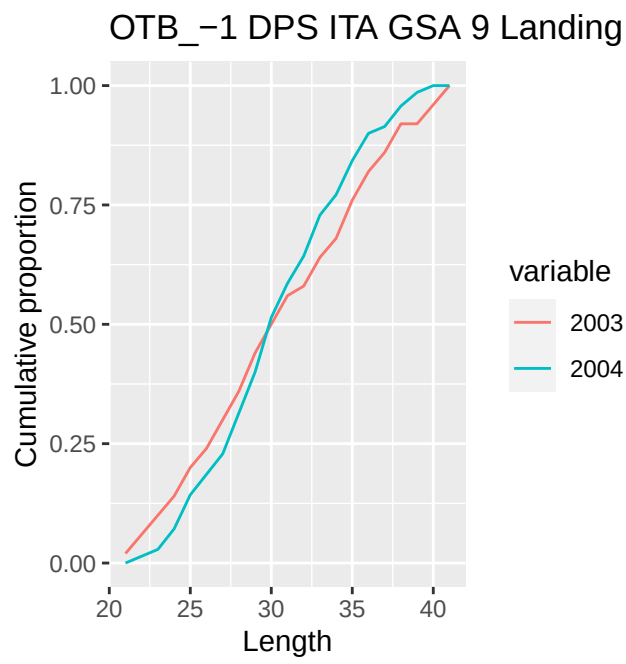

Sexratio by age class of DPS in ITA − GSA 99
2003
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
Sex ratio
Age class
help("MEDBS_SA_check")

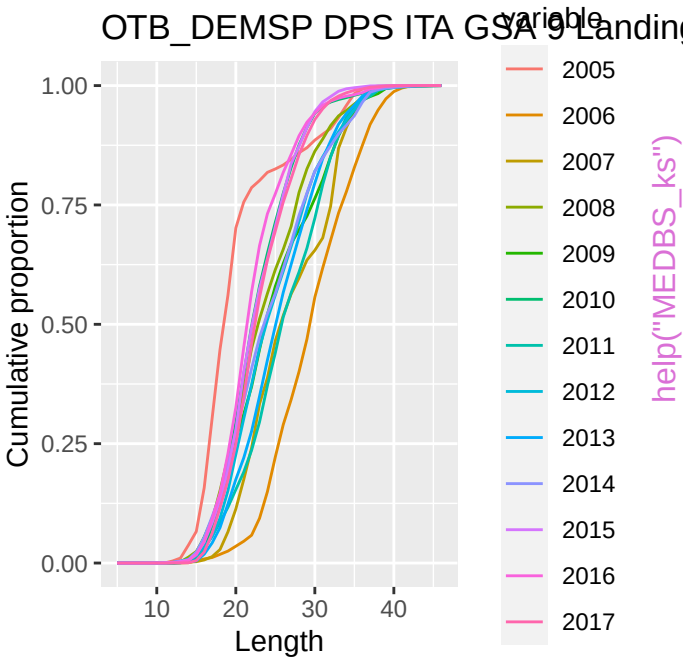

DPS
Sex ratio
1.00
0.75
0.50
0.25
0.00
10
20
30
40
50
Length class
GSA 99
ITA
factor(START_YEAR)
2003
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
help("MEDBS_SL_check")

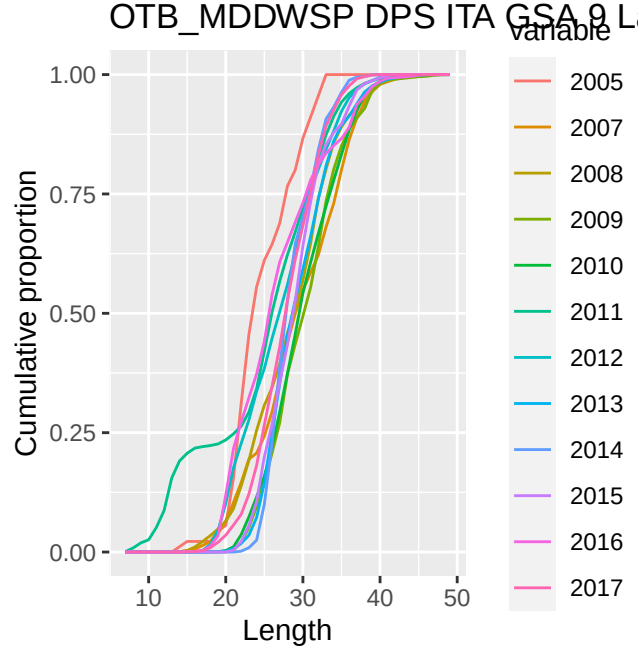

Sex ratio by length class of DPS in ITA − GSA 99
2003
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
SEX_RATIO
LENGTHCLASS
help("MEDBS_SL_check")

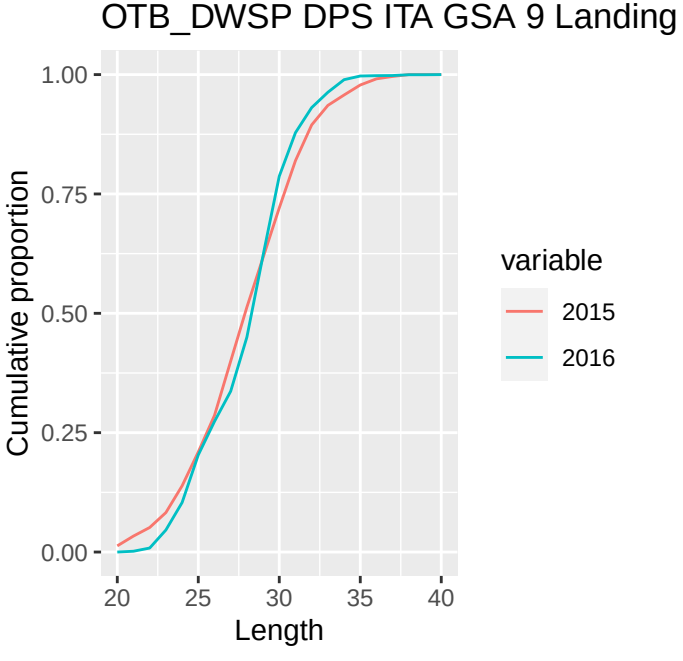

DPS ITA GSA 9 Discard Mean weight
OTB
−1
OTB
1
OTB
2
OTB
3
OTB
4
DEMSP
MDDWSP
MW (g)
help("MEDBS_disc_mean_weight")


Discards of DPS in ITA − GSA 9
tonnes
75
50
25
0
2009
2011
2013
2015
2017
gear
OTB
help("MEDBS_discard_coverage")

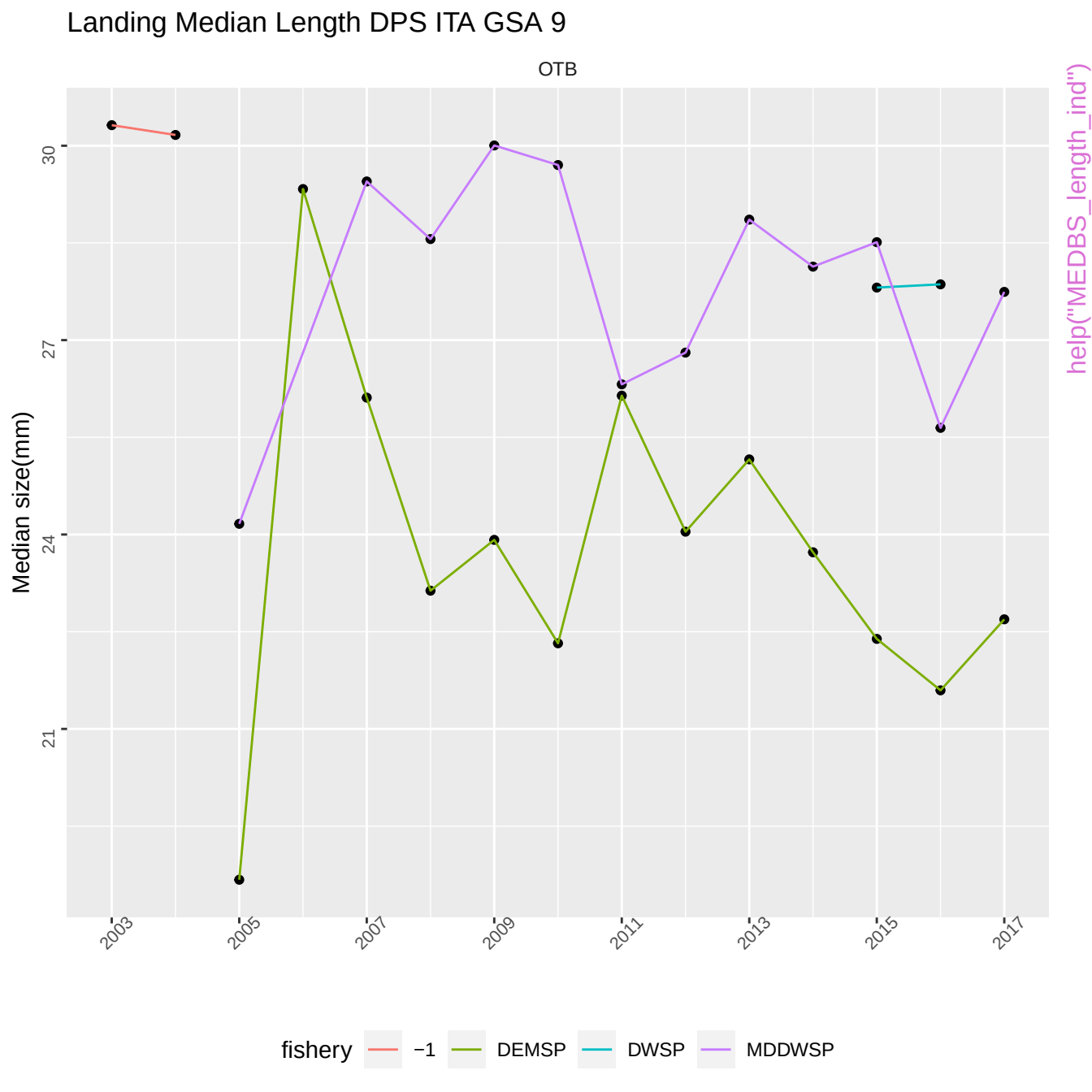

OTB_−1 DPS ITA GSA 9 Landing
Cumulative proportion
1.00
0.75
0.50
0.25
0.00
20
25
30
35
40
Length
variable
2003
2004


OTB_DEMSP DPS ITA GSA 9 Landing
Cumulative proportion
1.00
0.75
0.50
0.25
0.00
10
20
30
40
Length
variable
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
help("MEDBS_ks")

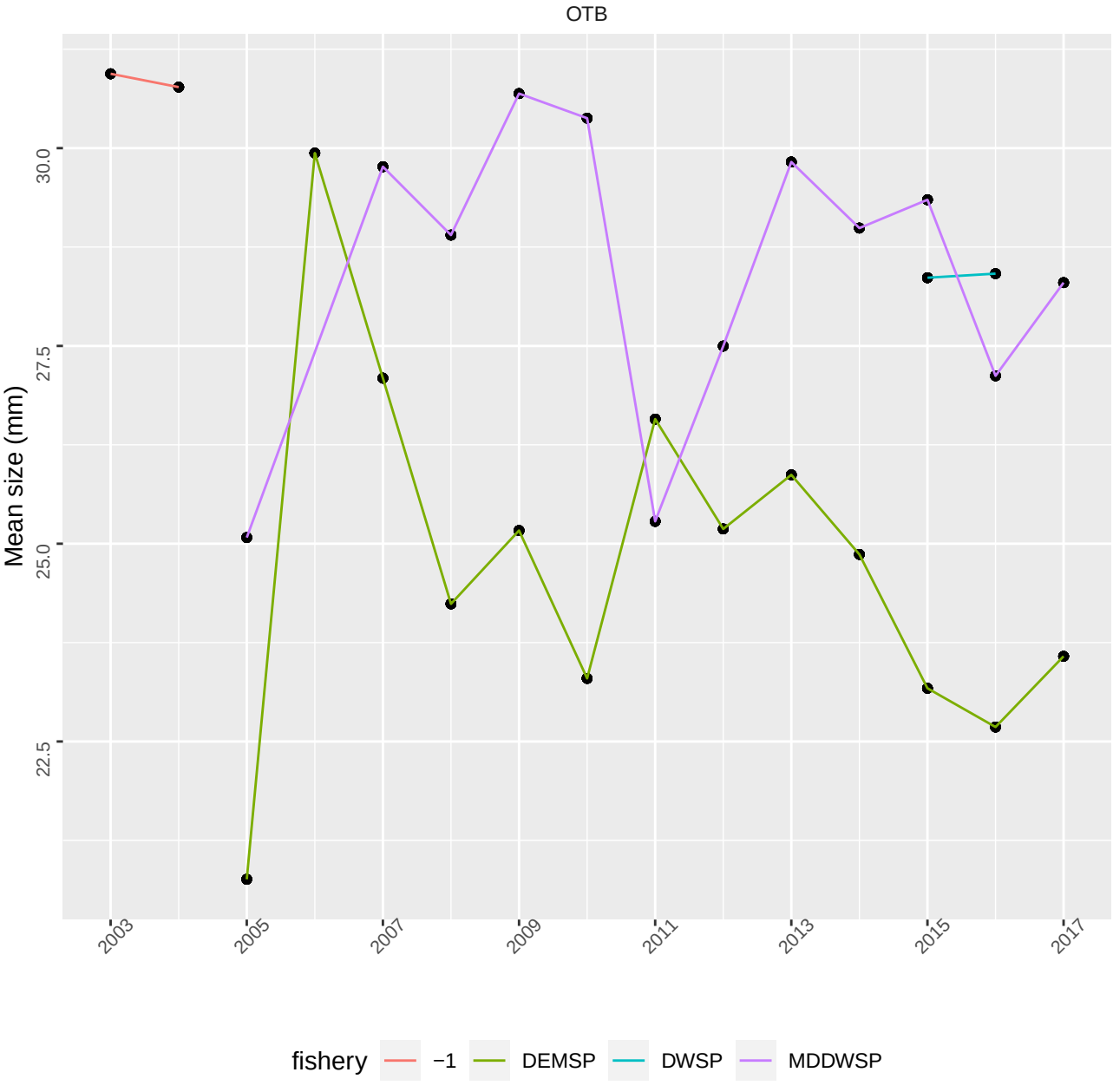

OTB_MDDWSP DPS ITA GSA 9 La
Cumulative proportion
1.00
0.75
0.50
0.25
0.00
10
20
30
40
50
Length
variable
2005
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017

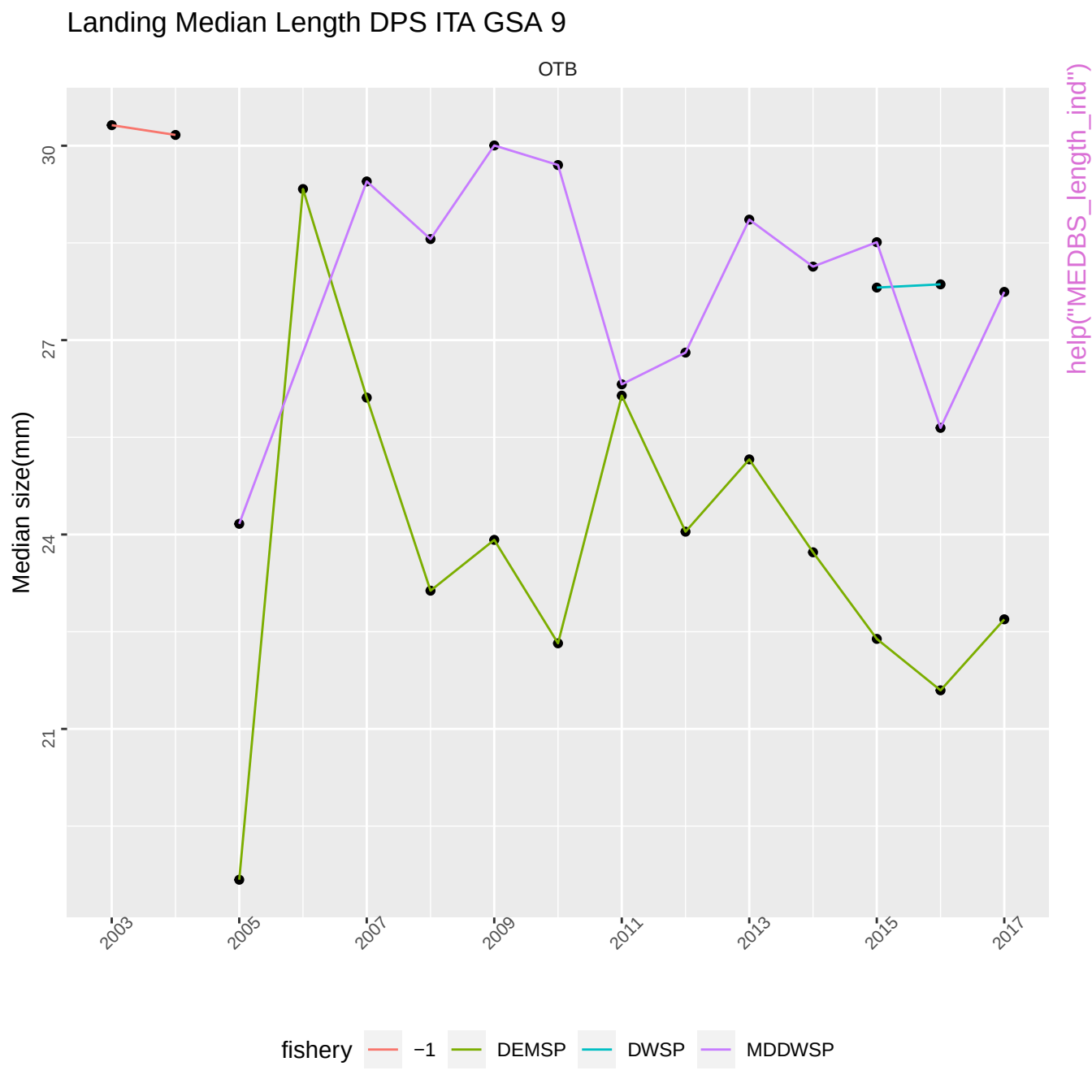

OTB_DWSP DPS ITA GSA 9 Landing
Cumulative proportion
1.00
0.75
0.50
0.25
0.00
20
25
30
35
40
Length
variable
2015
2016

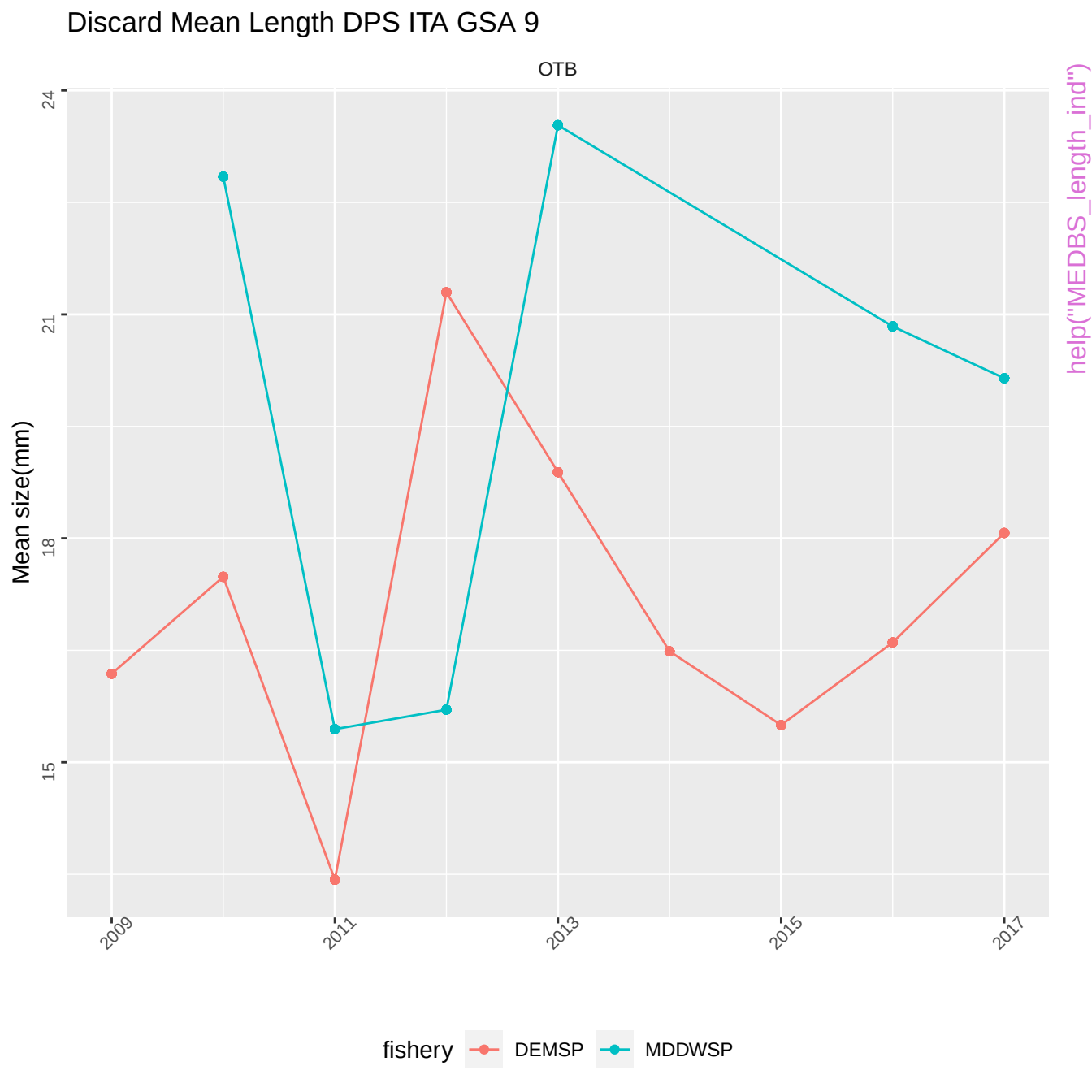
DPS ITA GSA 9 Landing Mean weight
OTB
−1
OTB
1
OTB
2
OTB
3
OTB
4
MW (g)
17.1
17.0
16.9
16.8
16.7
16.6
16.5
16
14
12
10
8
13.30
13.28
13.26
21
18
15
12
9
2003
2007
2011
2015
−1
DEMSP
DWSP
MDDWSP
help("MEDBS_land_mean_weight")

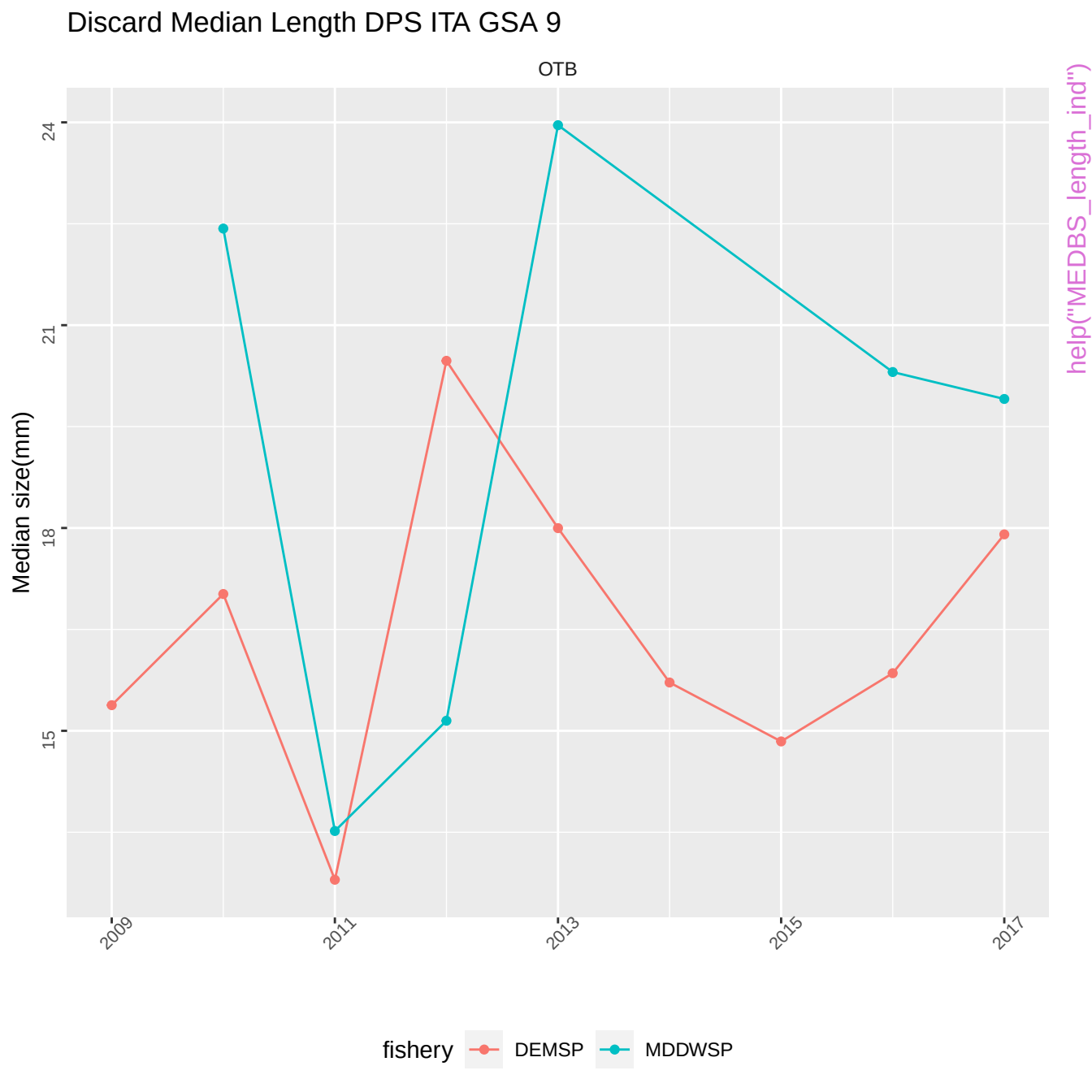

Landing Median Length DPS ITA GSA 9
OTB
Median size(mm)
30
27
24
21
2003
2005
2007
2009
2011
2013
2015
2017
help("MEDBS_length_ind")
fishery
−1
DEMSP
DWSP
MDDWSP

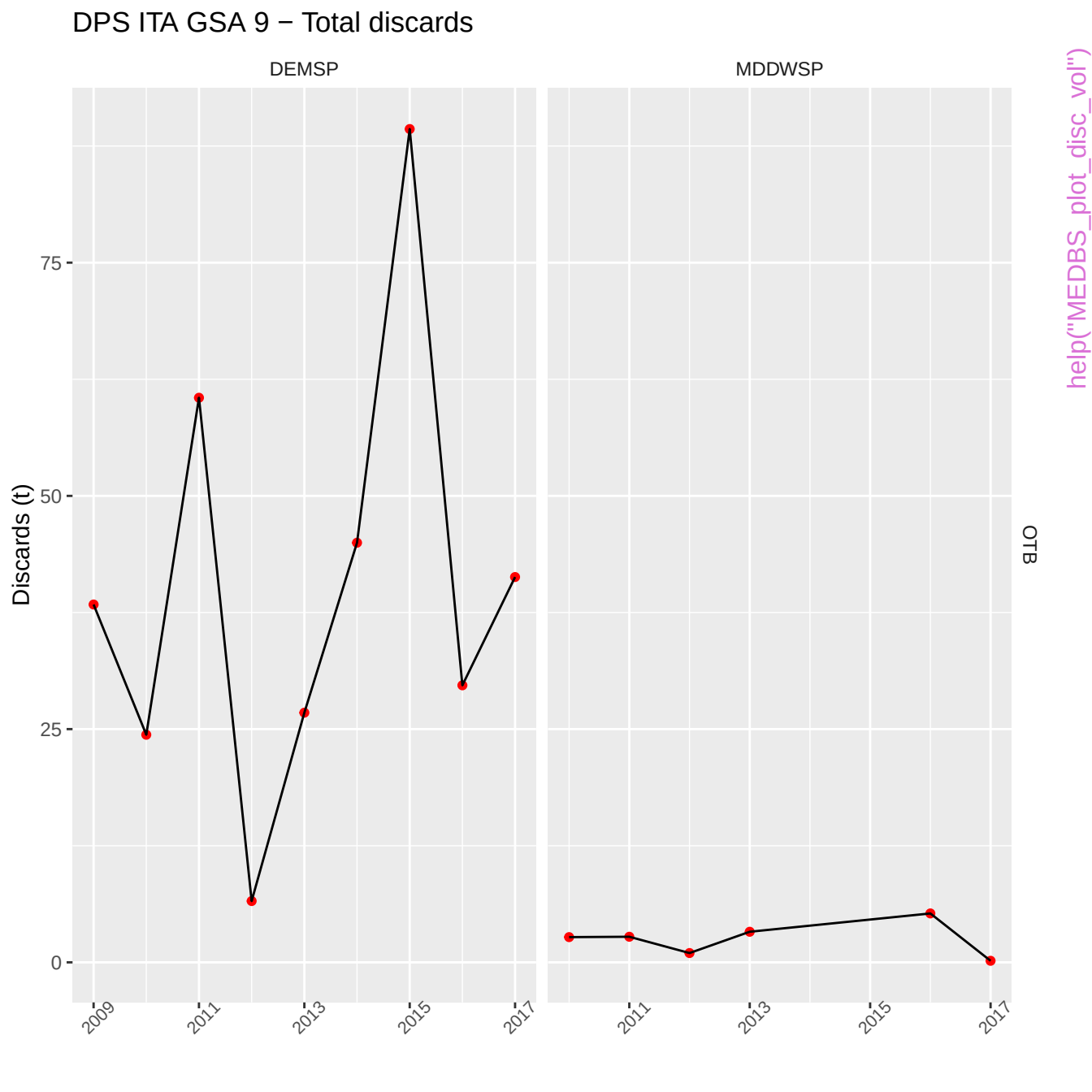
Landing Mean Length DPS ITA GSA 9

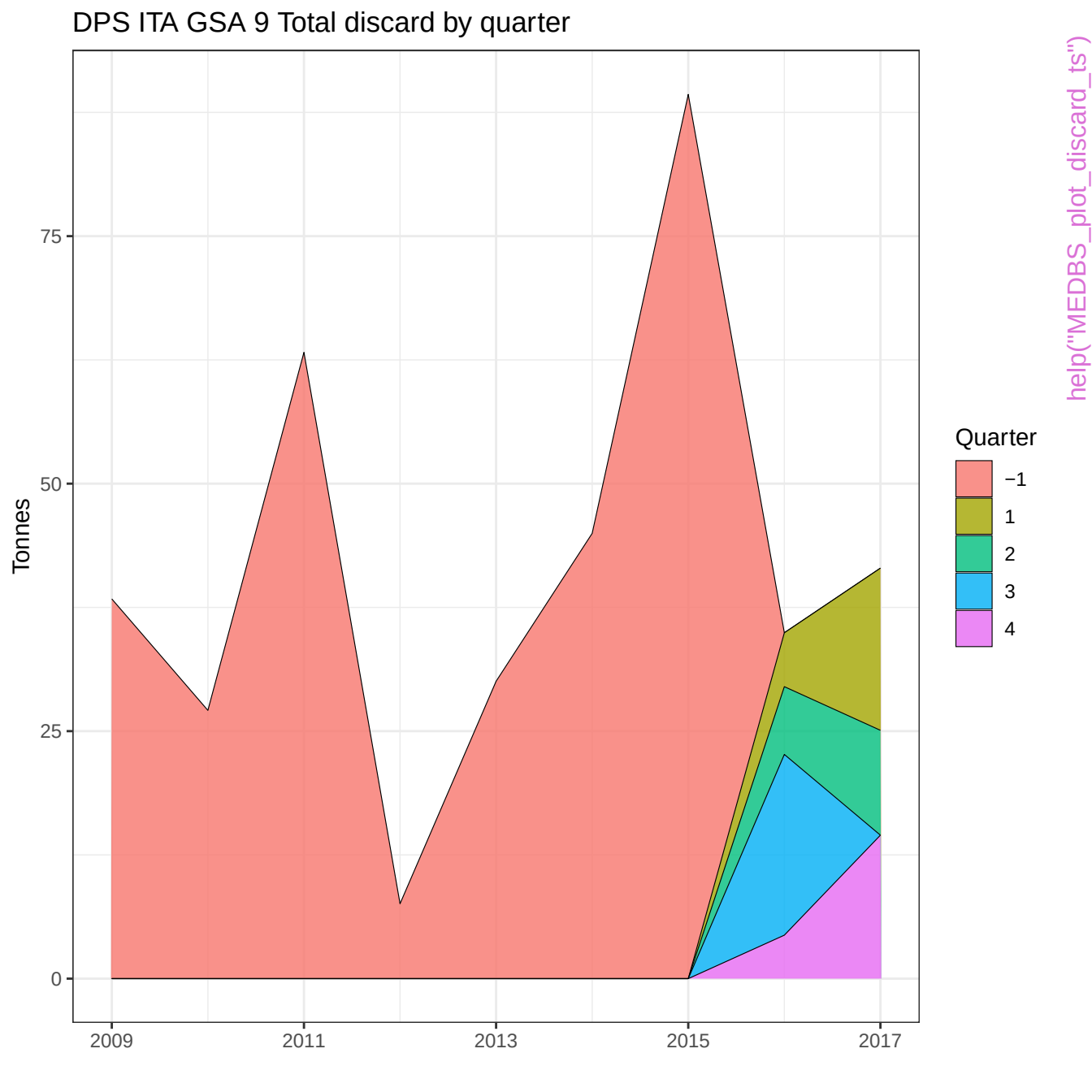


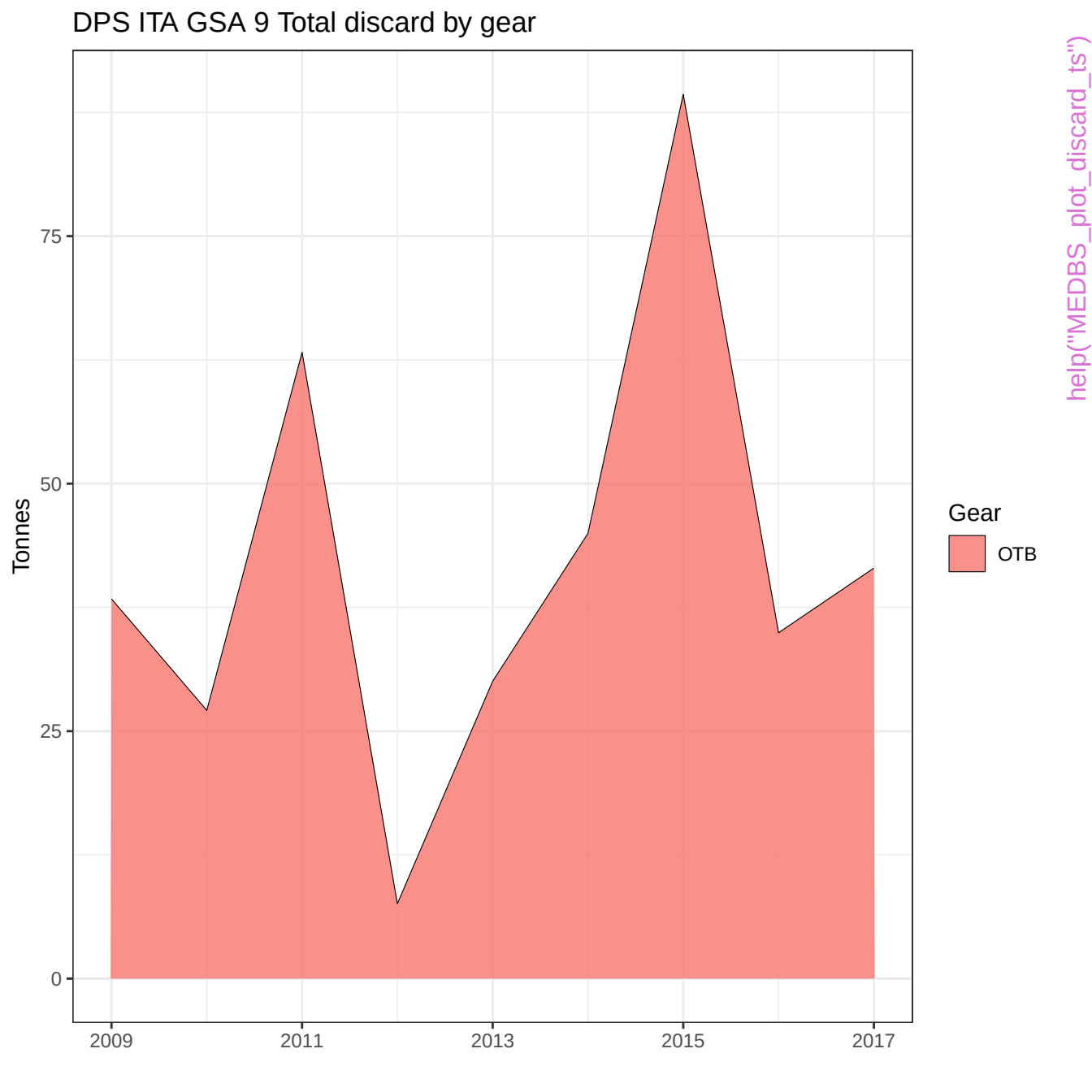

Landing Median Length DPS ITA GSA 9
OTB
Median size(mm)
30
27
24
21
2003
2005
2007
2009
2011
2013
2015
2017
help("MEDBS_length_ind")
fishery
−1
DEMSP
DWSP
MDDWSP

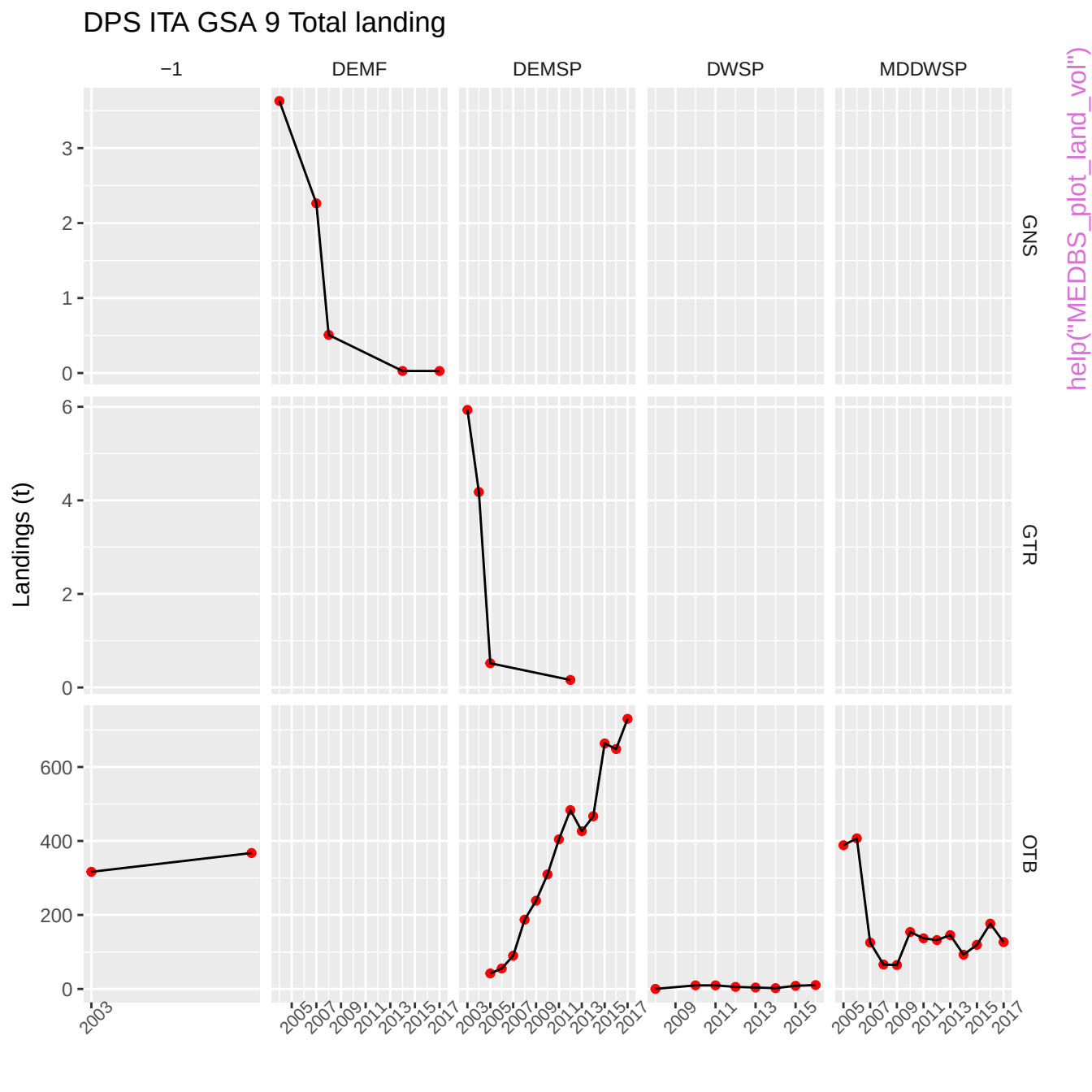

Discard Mean Length DPS ITA GSA 9
OTB
Mean size(mm)
24
21
18
15
2009
2011
2013
2015
2017
help("MEDBS_length_ind")
fishery
DEMSP
MDDWSP

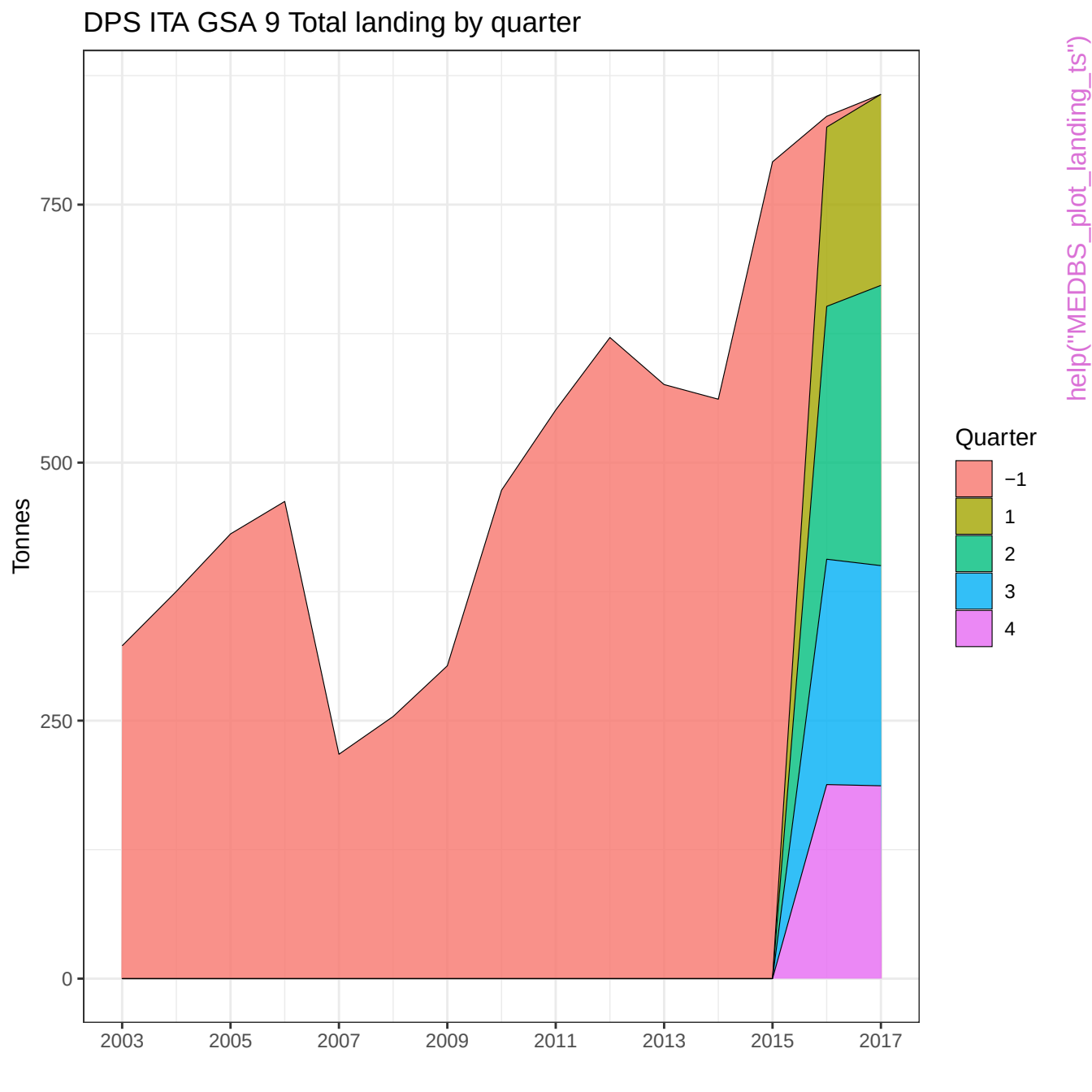

Discard Median Length DPS ITA GSA 9
OTB
help("MEDBS_length_ind")
Median size(mm)
24
21
18
15
2009
2011
2013
2015
2017
fishery
DEMSP
MDDWSP

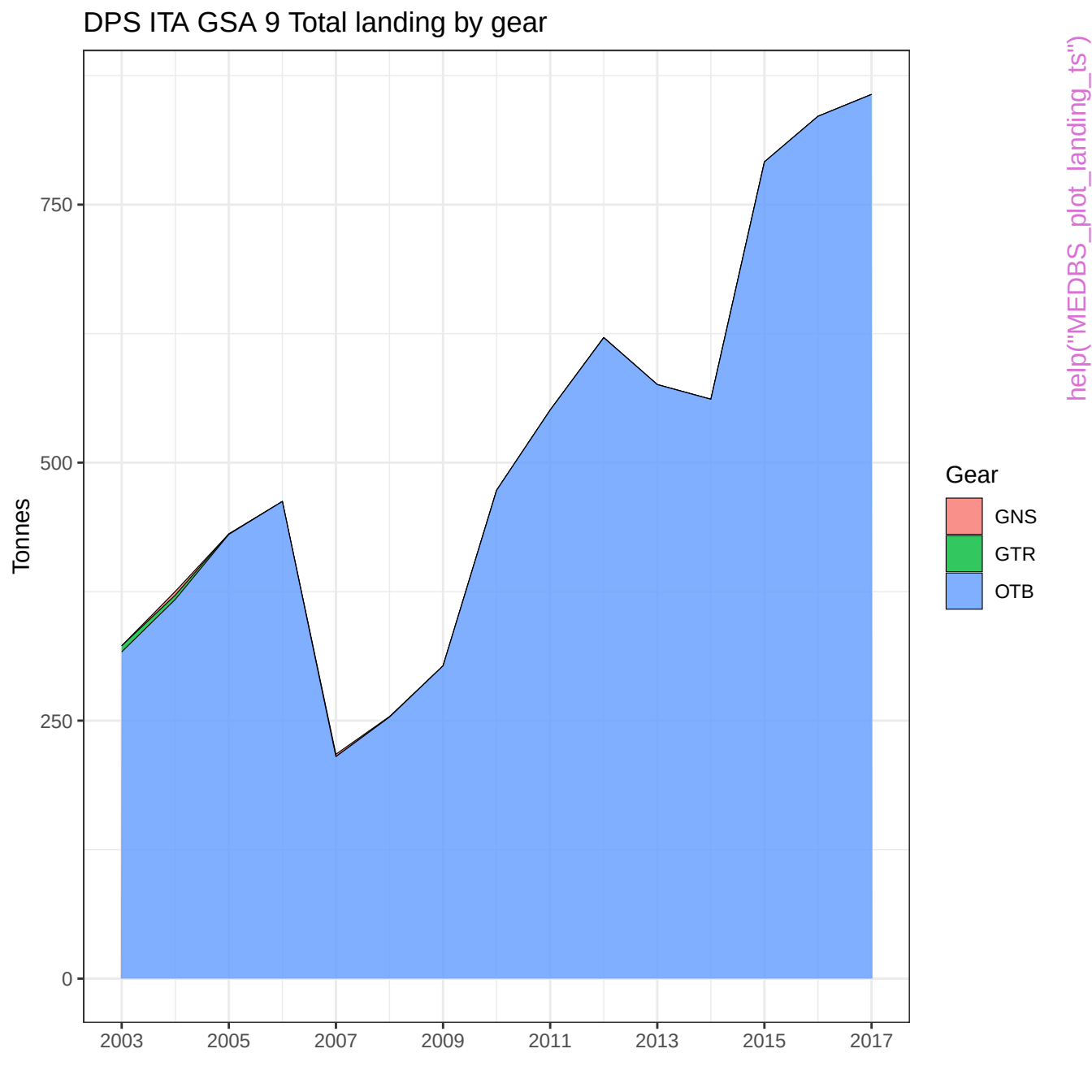

DPS ITA GSA 9 − Total discards
DEMSP
MDDWSP
Discards (t)
0
25
50
75
2009
2011
2013
2015
2017
OTB
help("MEDBS_plot_disc_vol")

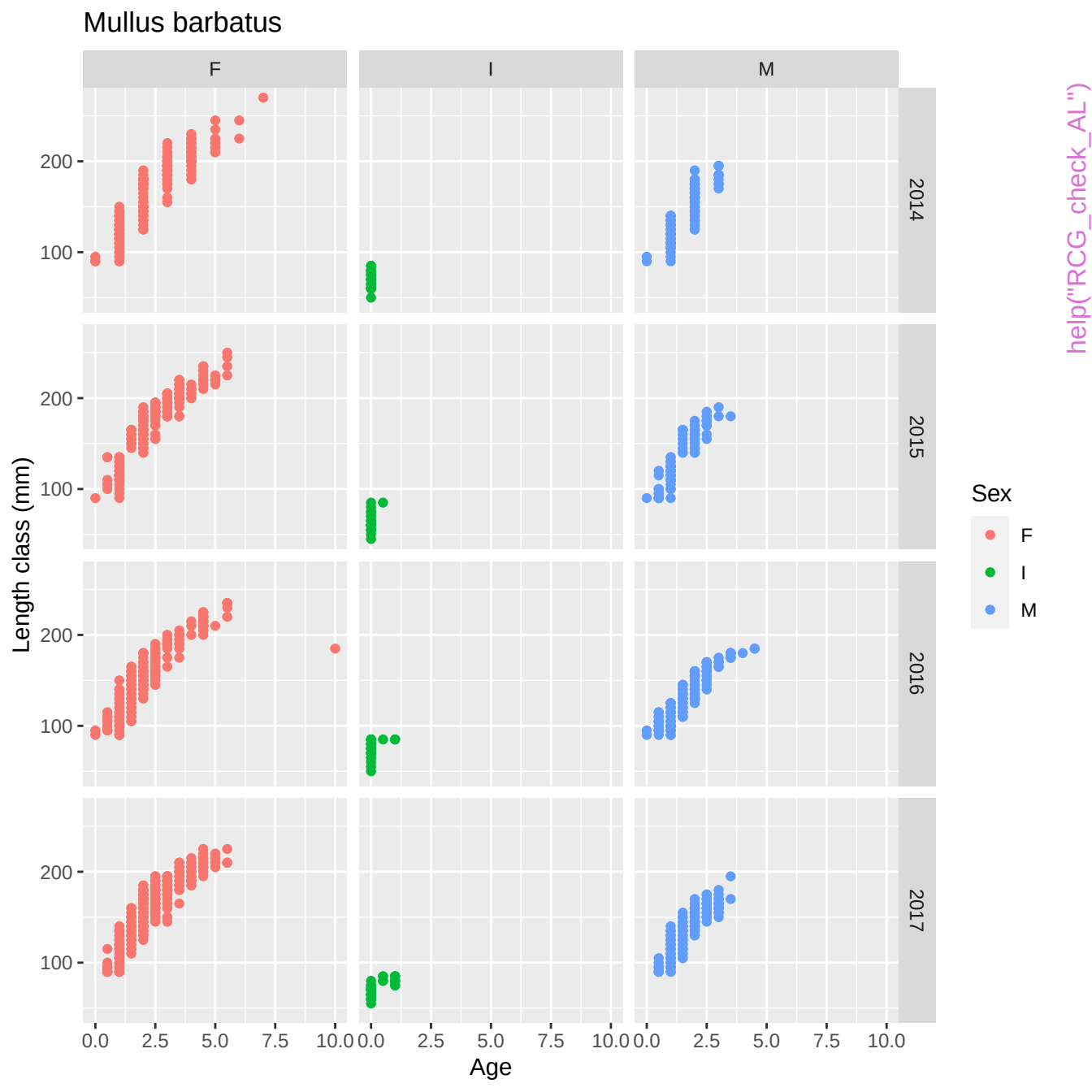

DPS ITA GSA 9 Total discard by quarter
Tonnes
0
25
50
75
2009
2011
2013
2015
2017
Quarter
−1
1
2
3
4
help("MEDBS_plot_discard_ts")

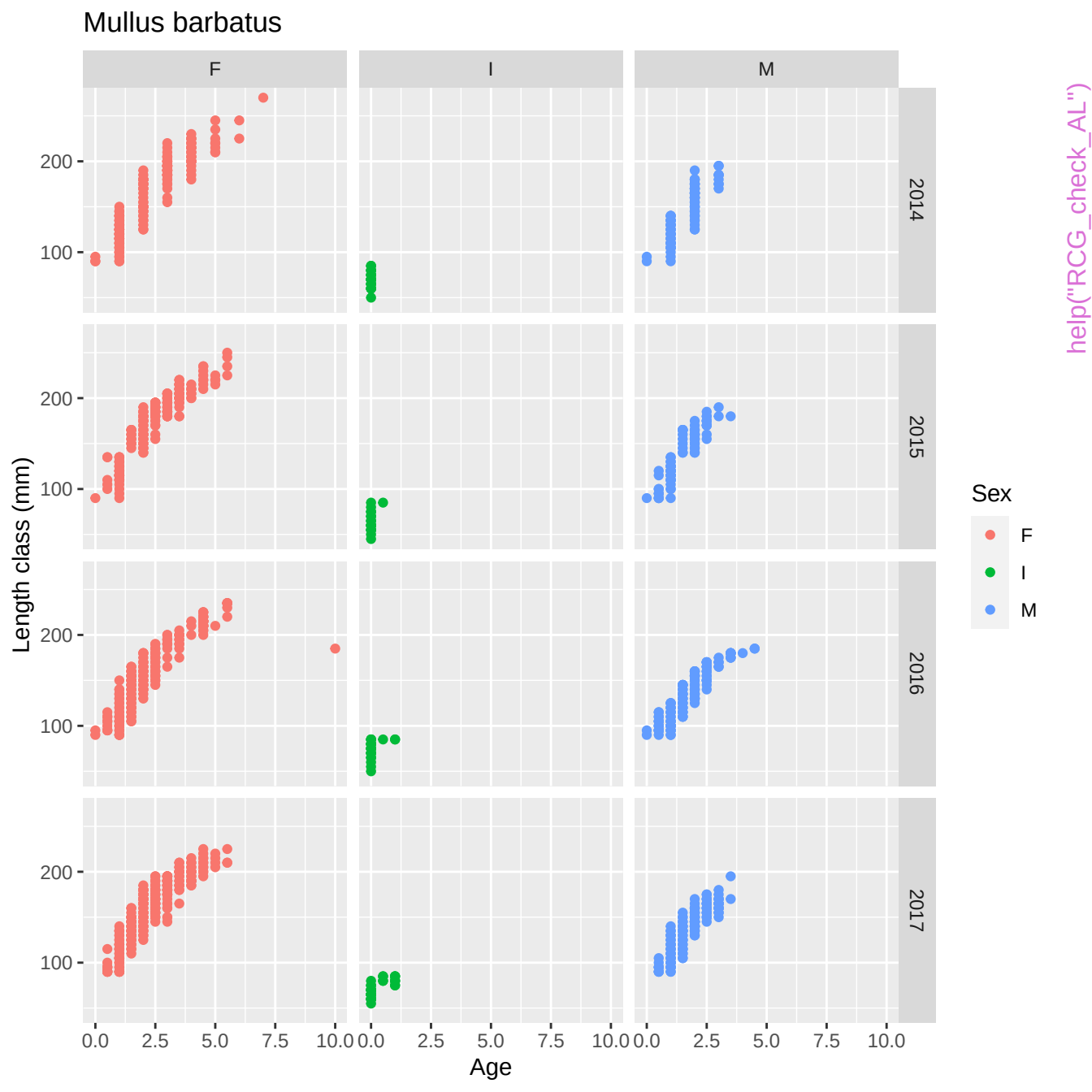

DPS ITA GSA 9 Total discard by gear
Tonnes
75
50
25
0
2009
2011
2013
2015
2017
Gear
OTB
help("MEDBS_plot_discard_ts")

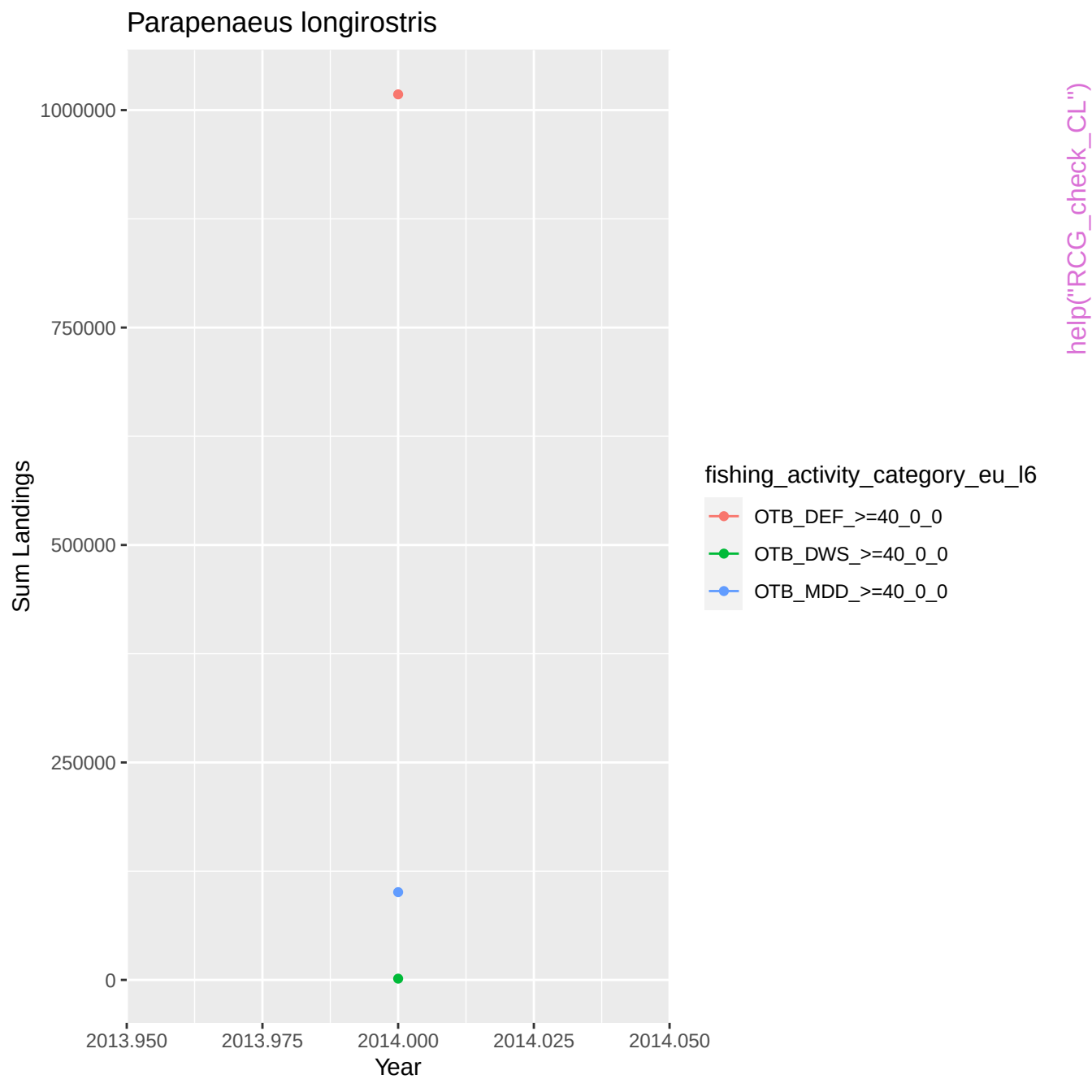

DPS ITA GSA 9 Total landing
−1
DEMF
DEMSP
DWSP
MDDWSP
GNS
GTR
OTB
Landings (t)
help("MEDBS_plot_land_vol")

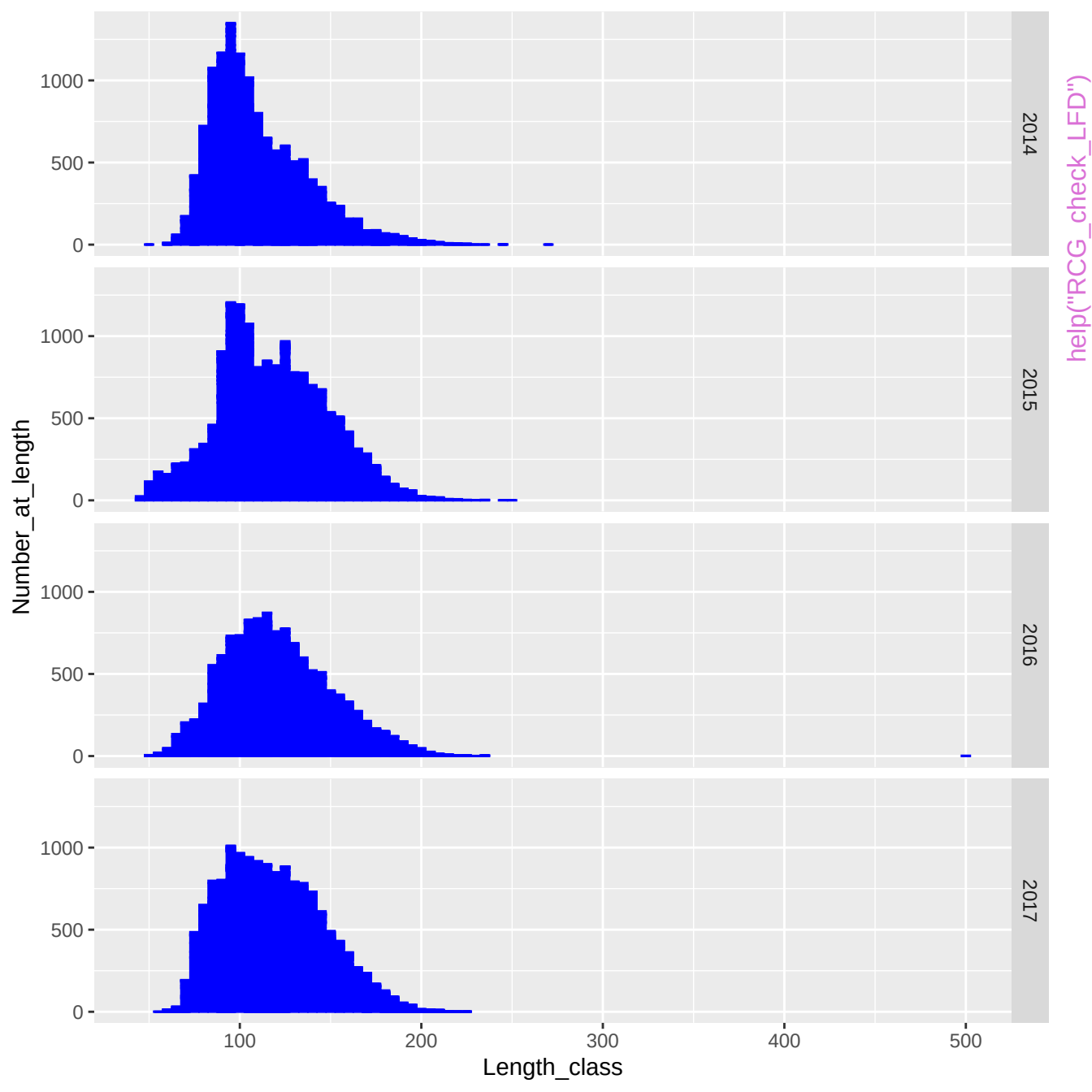

DPS ITA GSA 9 Total landing by quarter
Tonnes
0
250
500
750
2003
2005
2007
2009
2011
2013
2015
2017
Quarter
−1
1
2
3
4
help("MEDBS_plot_landing_ts")

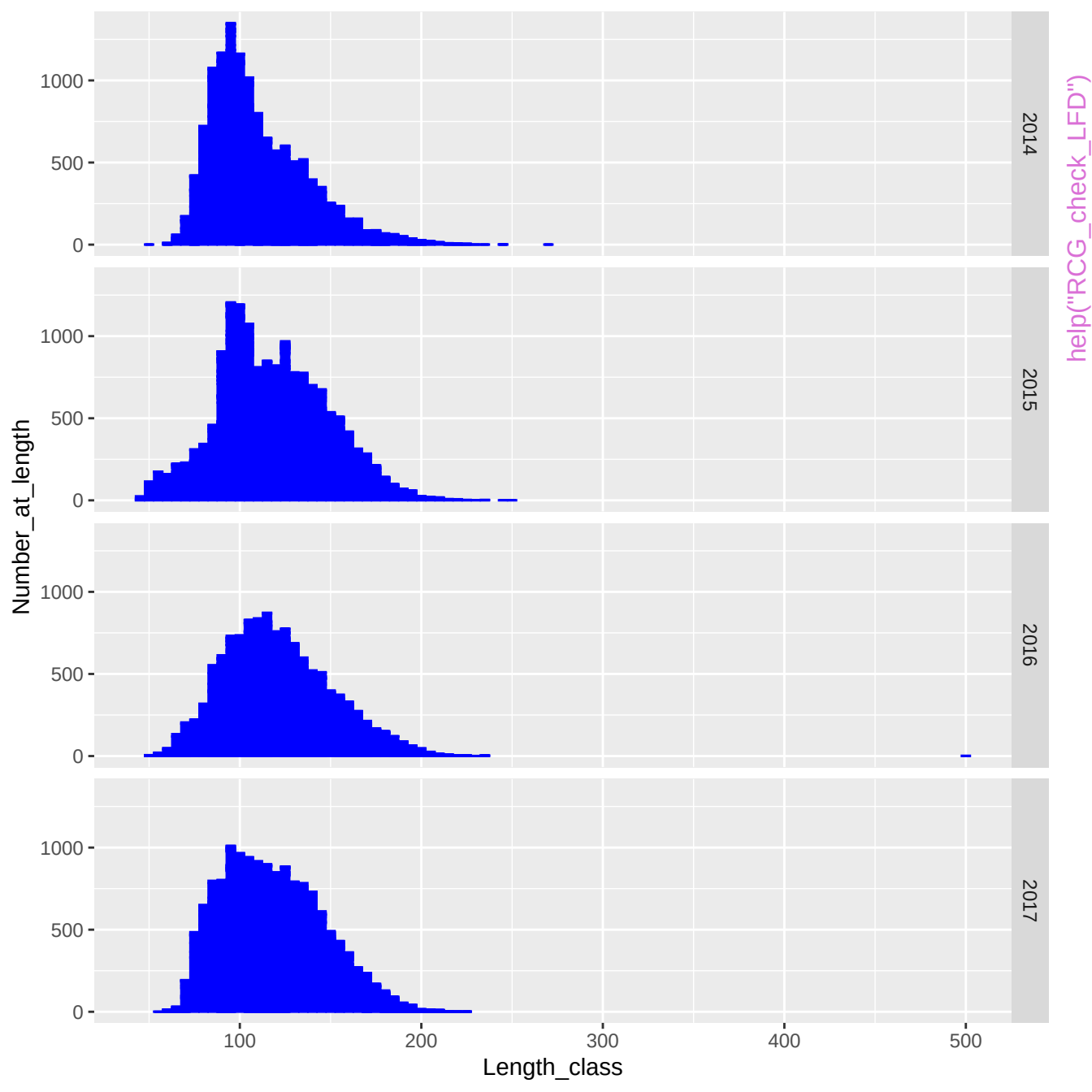

DPS ITA GSA 9 Total landing by gear
Tonnes
750
500
250
0
2003
2005
2007
2009
2011
2013
2015
2017
Gear
GNS
GTR
OTB
help("MEDBS_plot_landing_ts")

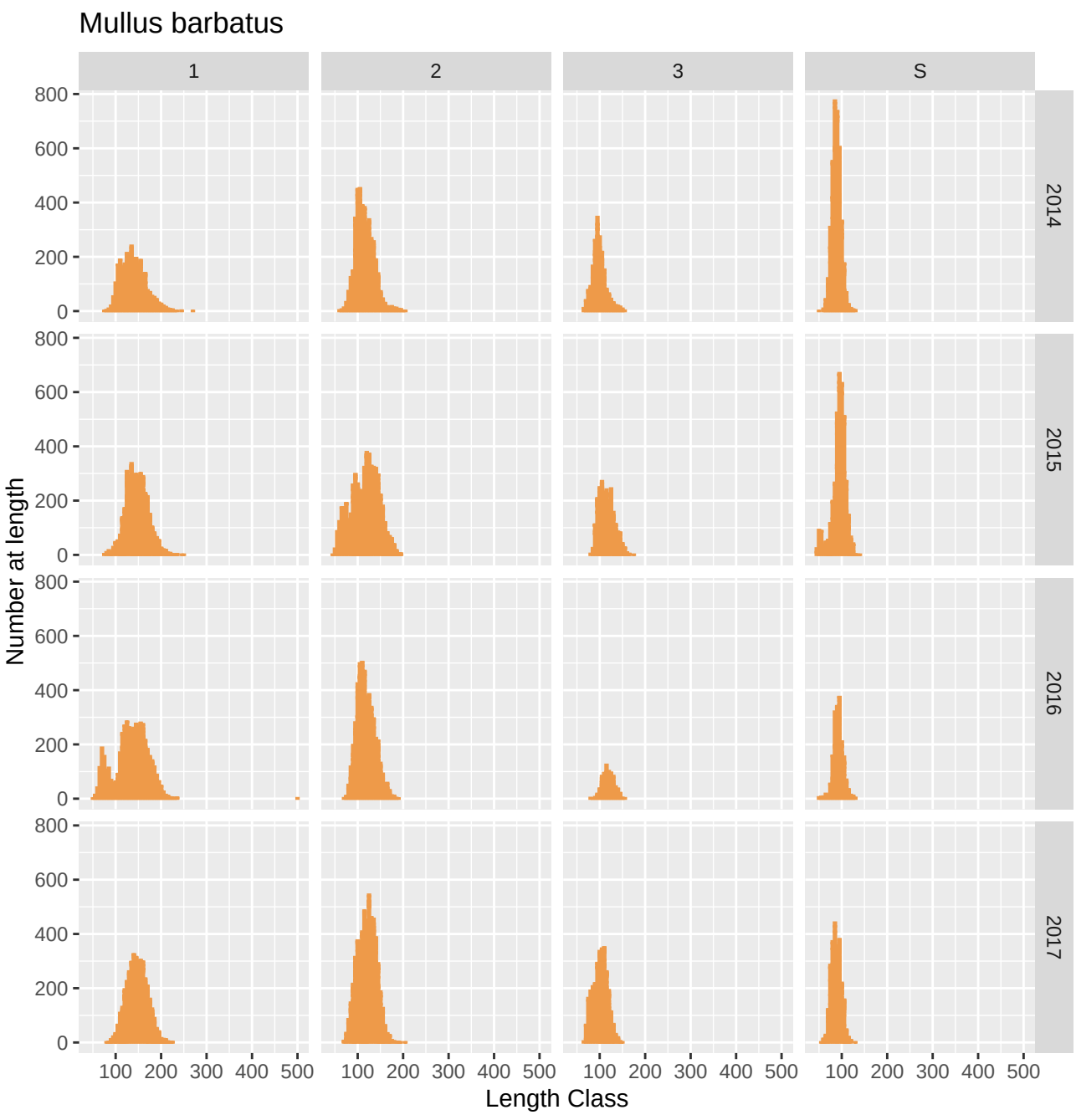

Mullus barbatus
F
I
M
2014
2015
2016
2017
Length class (mm)
100
200
0.0
2.5
5.0
7.5
10.0
Age
Sex
F
I
M
help("RCG_check_AL")

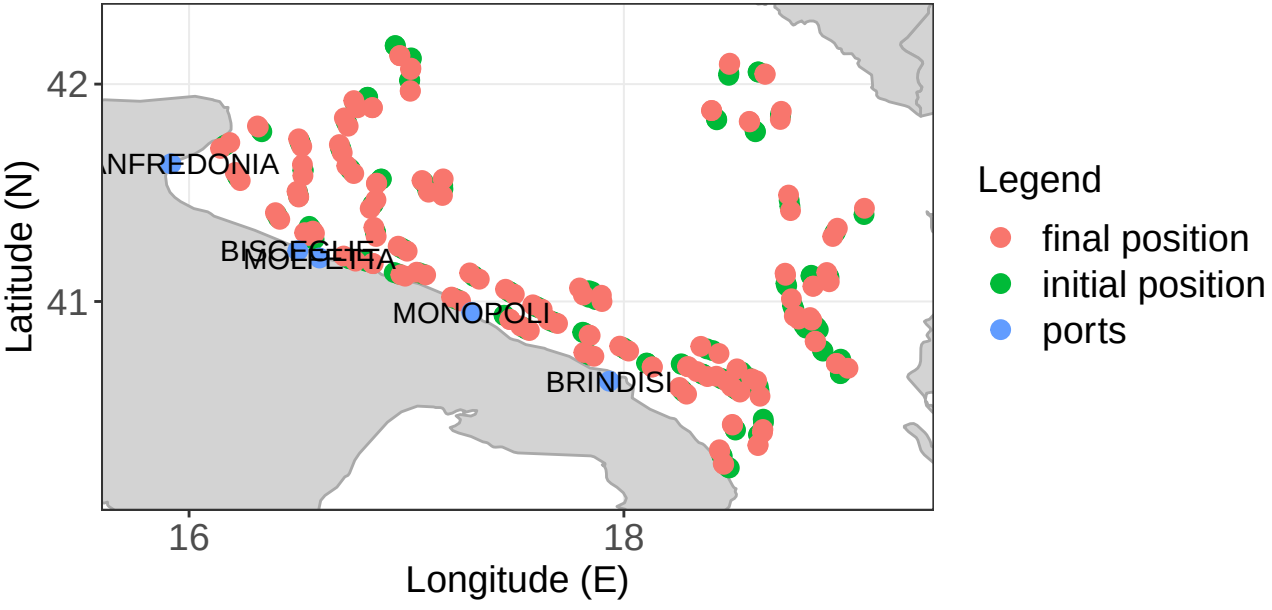

Mullus barbatus
F
I
M
2014
2015
2016
2017
Length class (mm)
100
200
0.0
2.5
5.0
7.5
10.0
Age
Sex
F
I
M
help("RCG_check_AL")


Parapenaeus longirostris
1000000
750000
500000
250000
0
Sum Landings
2013.950
2013.975
2014.000
2014.025
2014.050
Year
fishing_activity_category_eu_l6
OTB_DEF_>=40_0_0
OTB_DWS_>=40_0_0
OTB_MDD_>=40_0_0
help("RCG_check_CL")

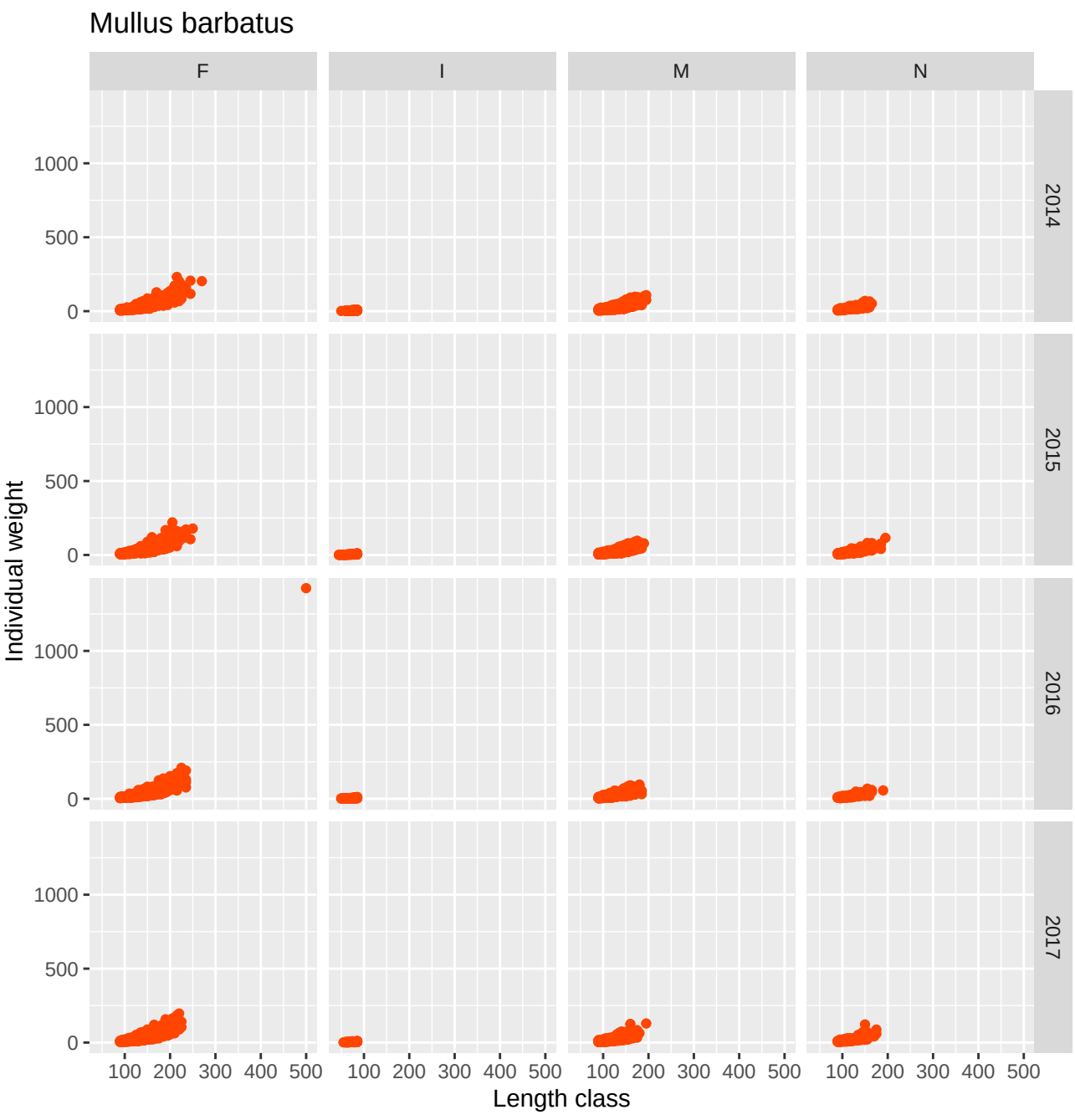

Number_at_length
Length_class
2014
2015
2016
2017
0
500
1000
100
200
300
400
500
help("RCG_check_LFD")

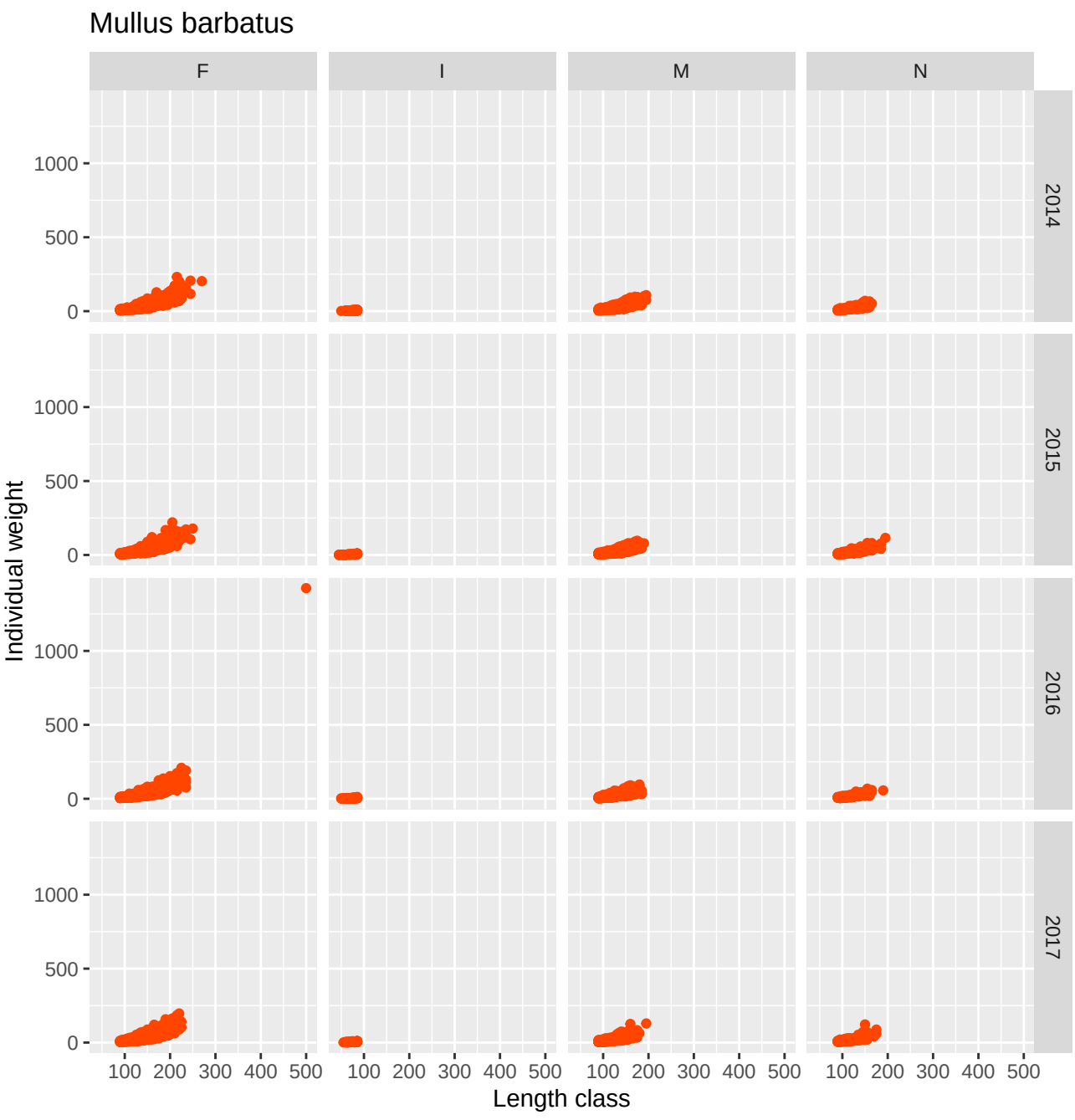

Number_at_length
Length_class
2014
2015
2016
2017
0
500
1000
100
200
300
400
500
help("RCG_check_LFD")

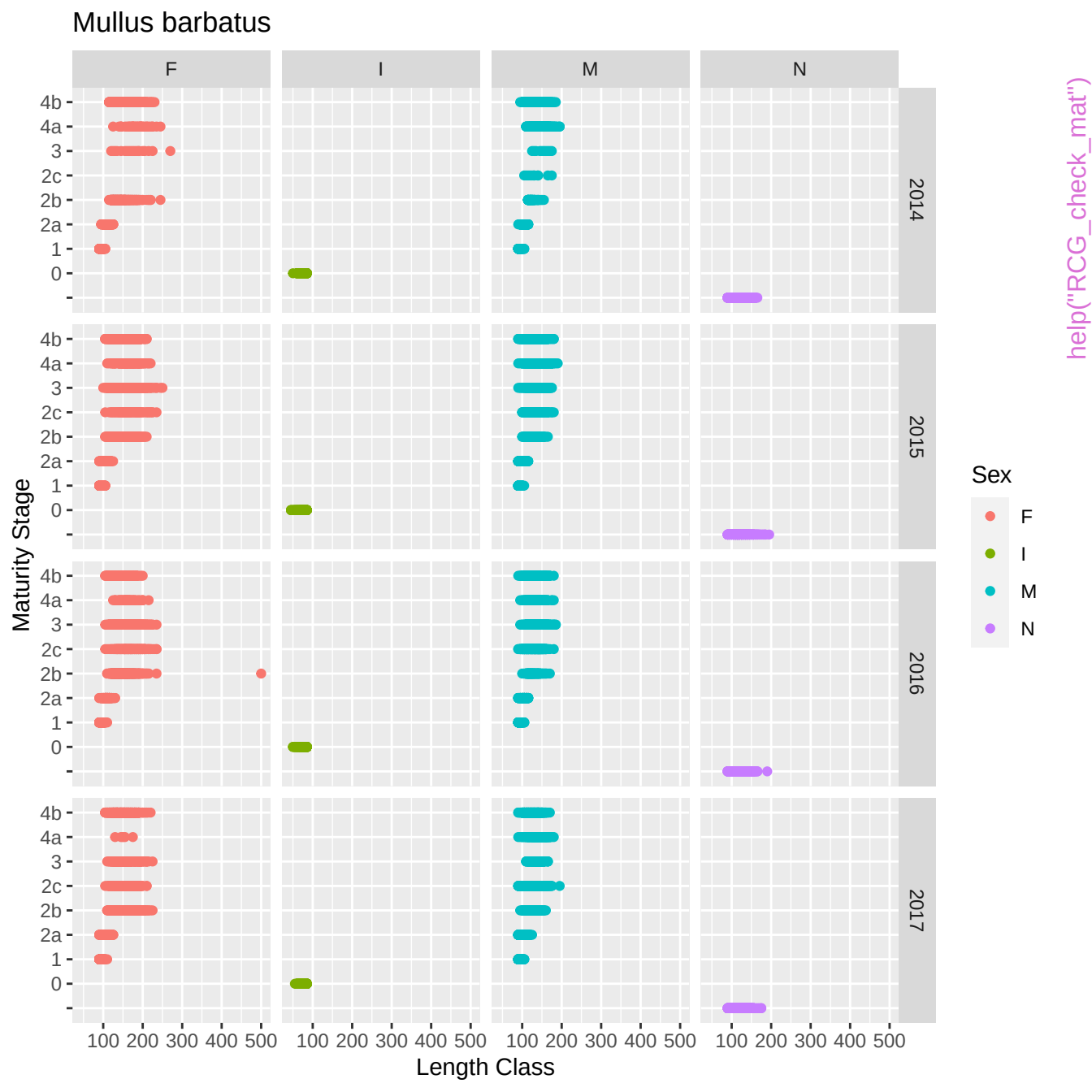

Mullus barbatus
1
2
3
S
2014
2015
2016
2017
Number at length
0
200
400
600
800
100
200
300
400
500
Length Class
help("RCG_check_LFD_comm_cat")

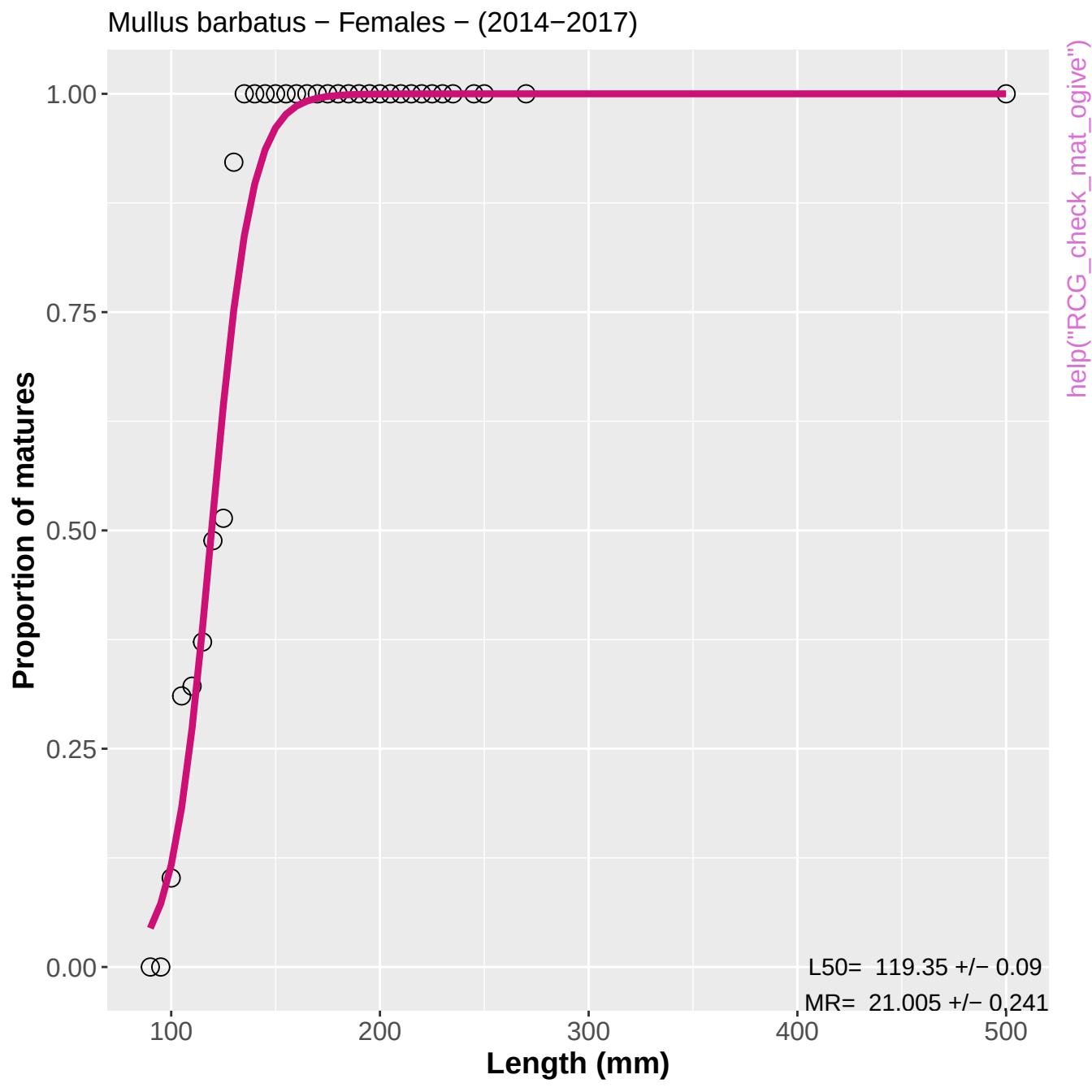


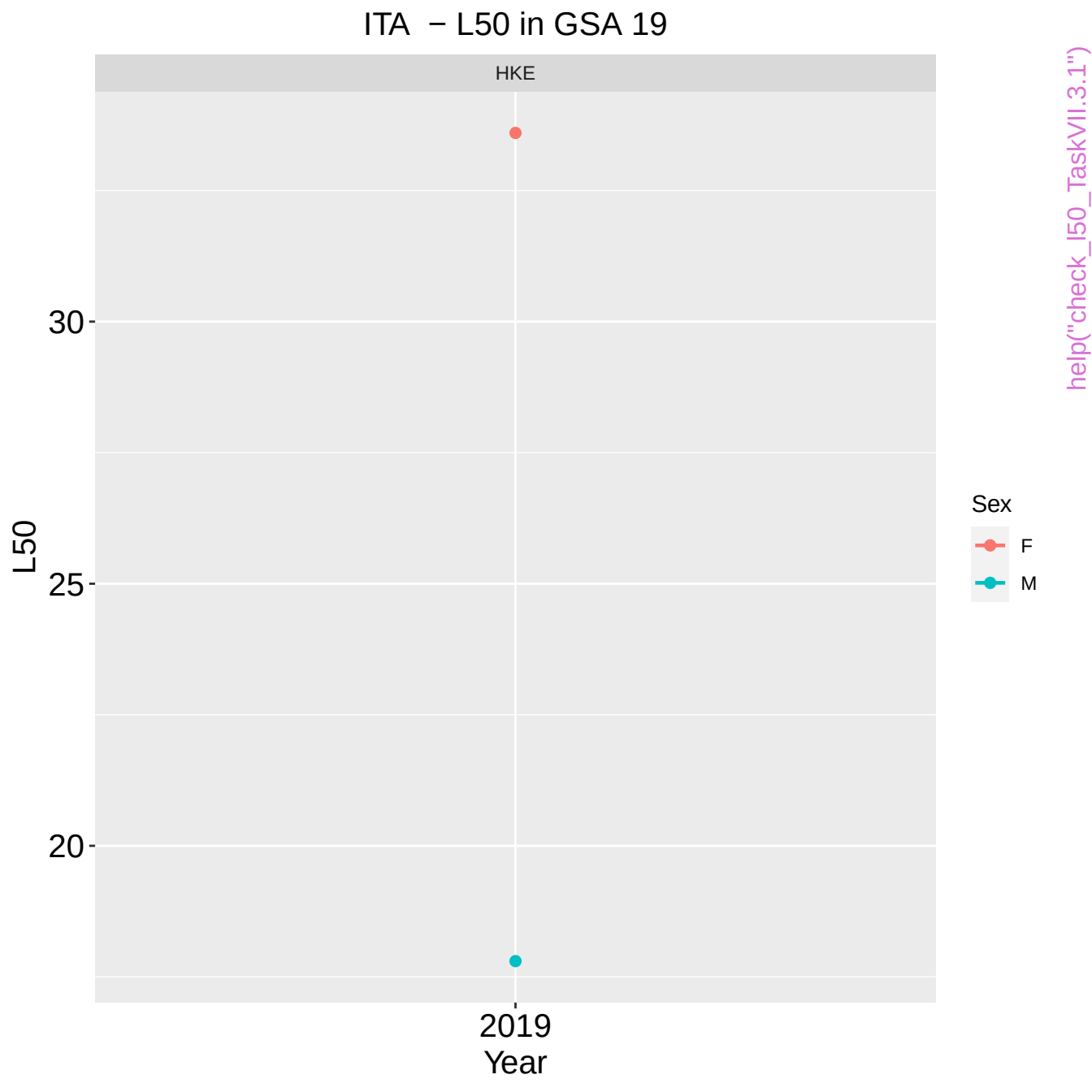
help("RCG_check_loc")

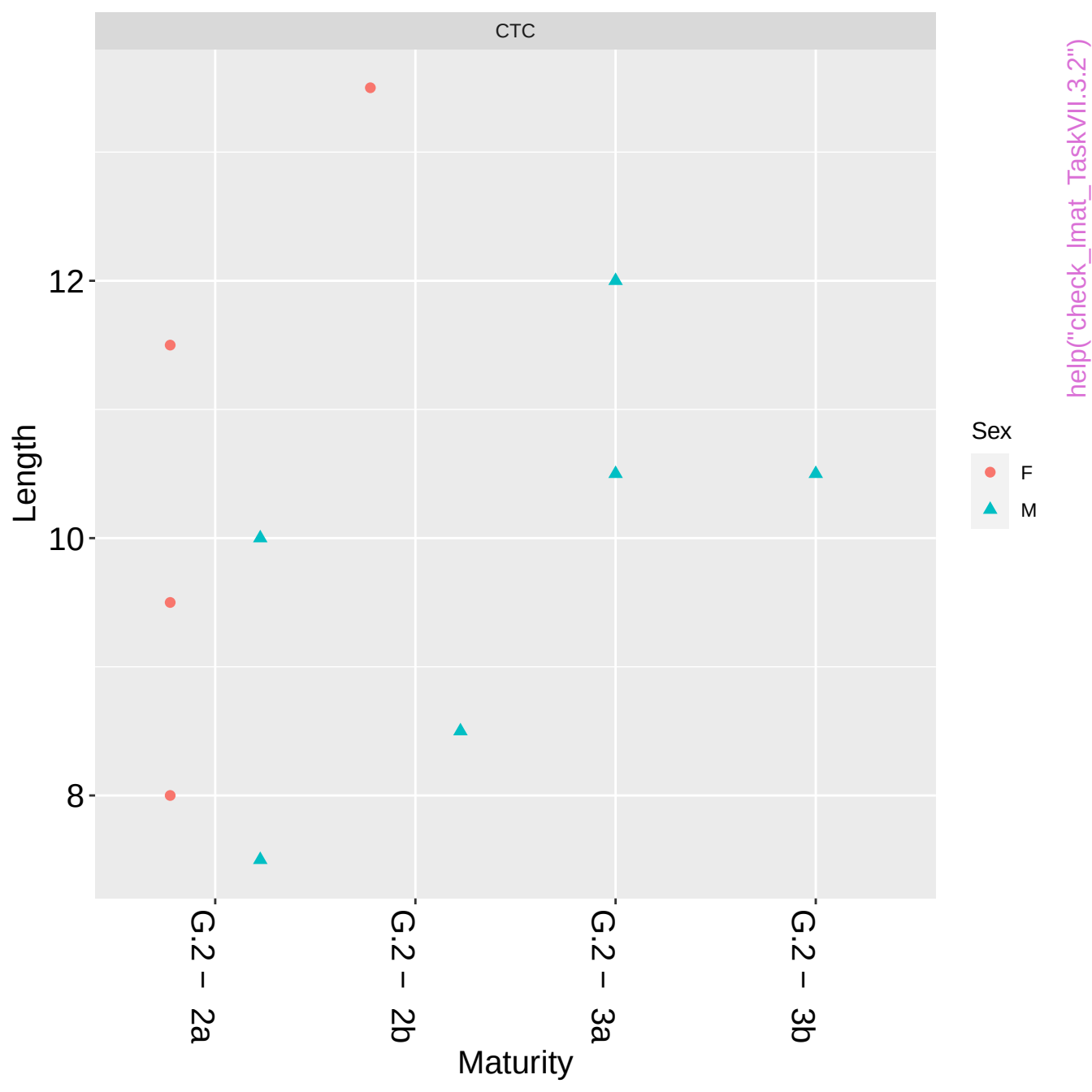

Mullus barbatus
F
I
M
N
2014
2015
2016
2017
1000
500
0
100
200
300
400
500
Individual weight
Length class
help("RCG_check_lw")

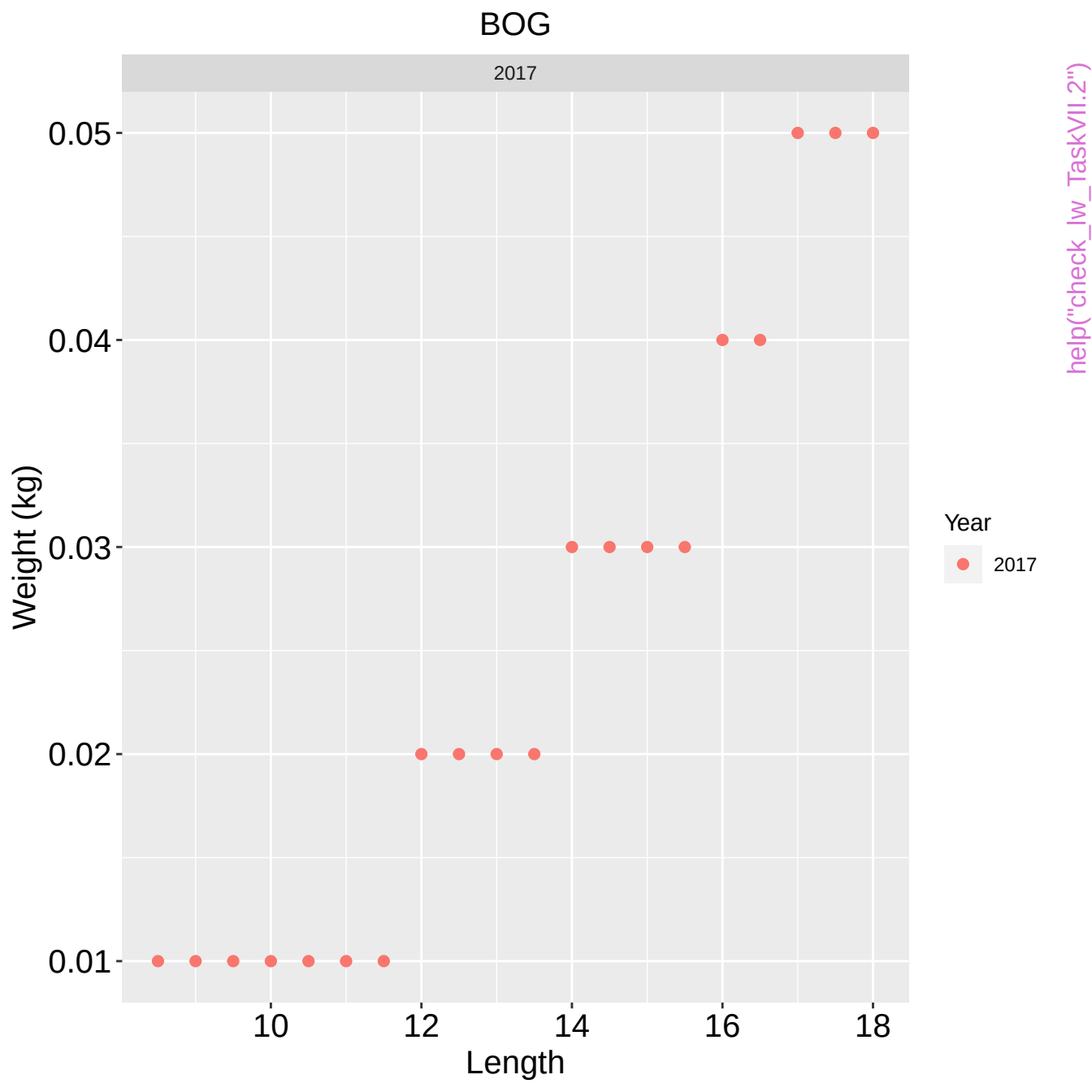

Mullus barbatus
F
I
M
N
2014
2015
2016
2017
1000
500
0
100
200
300
400
500
Individual weight
Length class
help("RCG_check_lw")

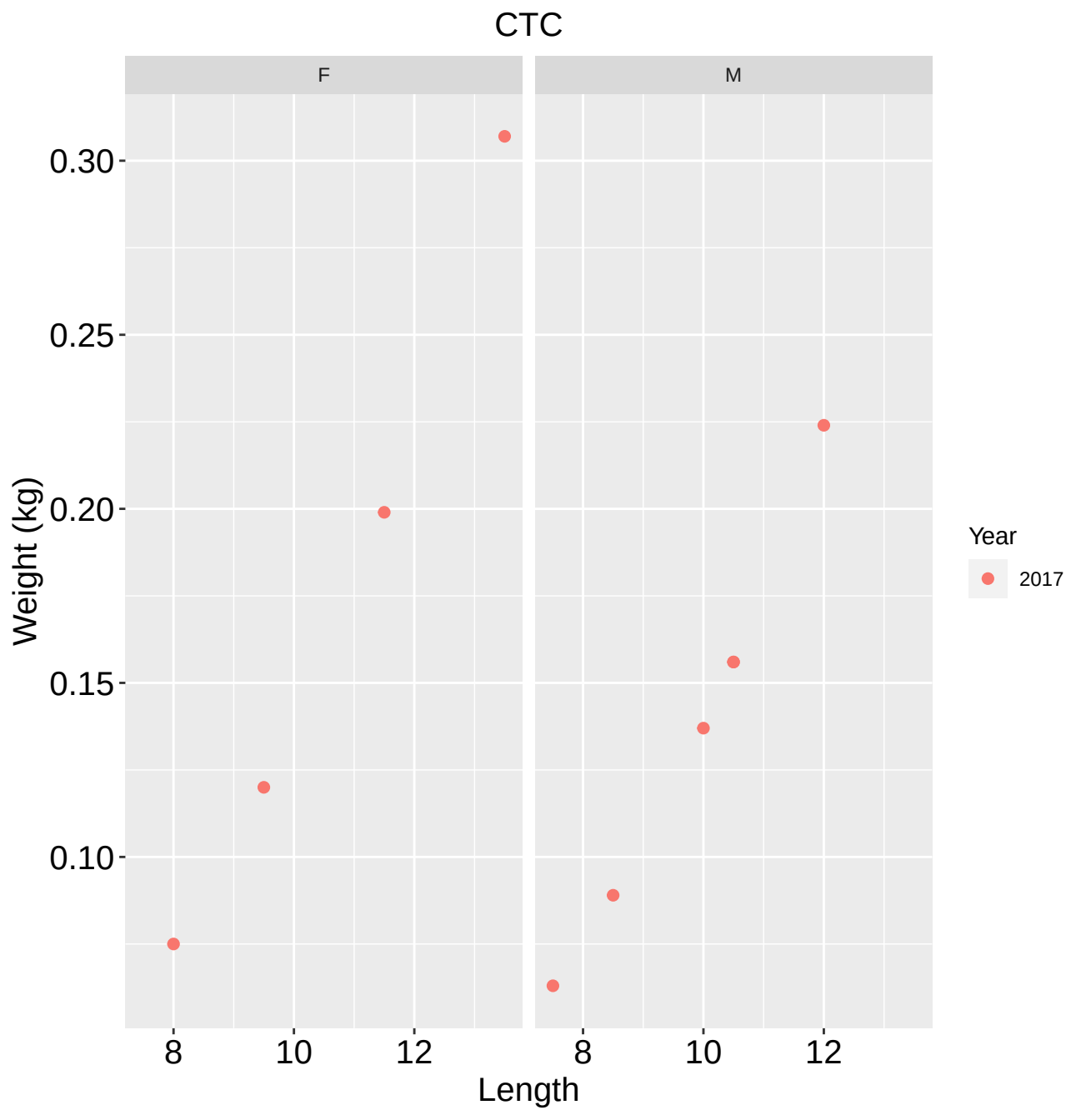

Mullus barbatus
F
I
M
N
2014
2015
2016
2017
Maturity Stage
4b
4a
3
2c
2b
2a
1
0
-
100 200 300 400 500
Length Class
Sex
F
I
M
N
help("RCG_check_mat")


Mullus barbatus − Females − (2014−2017)
Proportion of matures
1.00
0.75
0.50
0.25
0.00
100
200
300
400
500
Length (mm)
L50= 119.35 +/− 0.09
MR= 21.005 +/− 0,241
help("RCG_check_mat_ogive")


ITA − L50 in GSA 19
HKE
30
25
20
L50
2019
Year
Sex
F
M
help("check_l50_TaskVII.3.1")


CTC
Length
12
10
8
G.2 – 2a
G.2 – 2b
G.2 – 3a
G.2 – 3b
Maturity
Sex
F
M
help("check_lmat_TaskVII.3.2")


BOG
2017
Weight (kg)
0.05
0.04
0.03
0.02
0.01
10
12
14
16
18
Length
Year
2017
help("check_lw_TaskVII.2")


CTC
F
M
0.30
0.25
0.20
0.15
0.10
Weight (kg)
8
10
12
Length
Year
2017
help("check_lw_TaskVII.3.2")