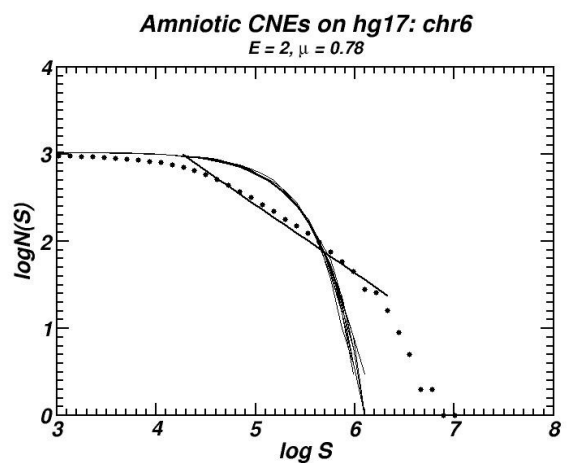
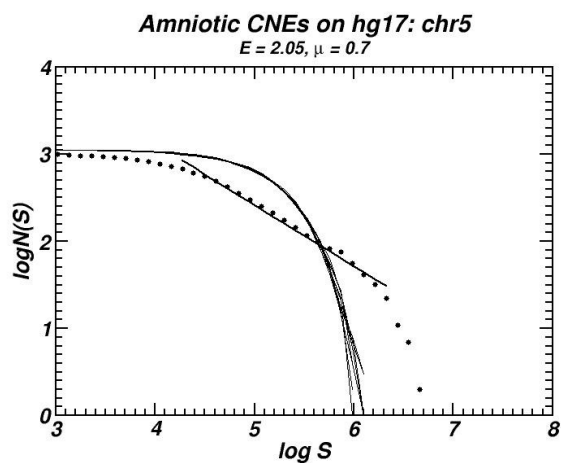
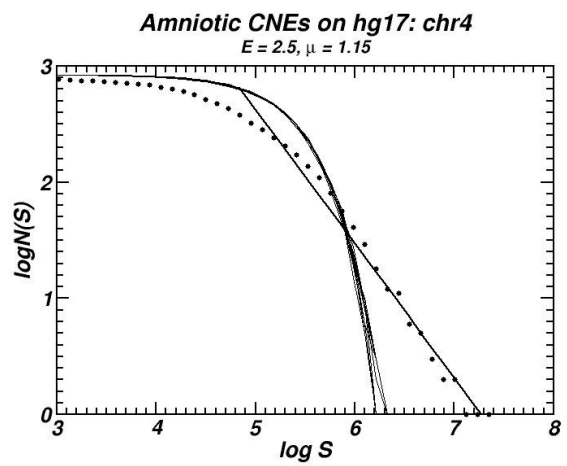
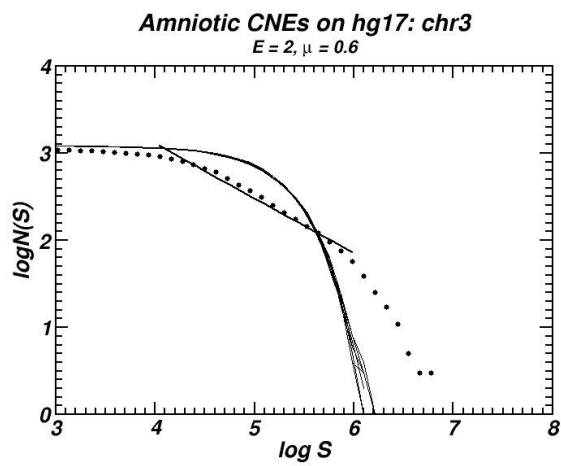
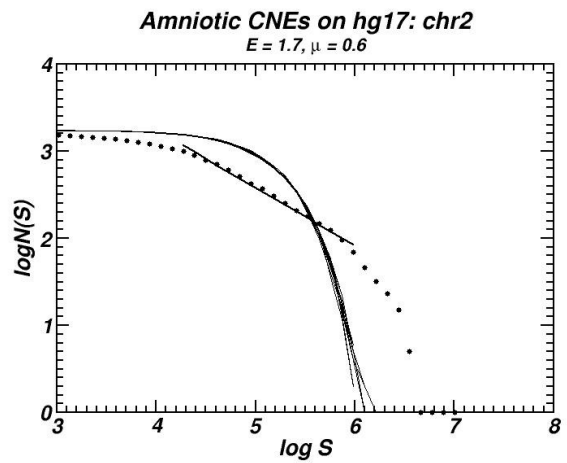
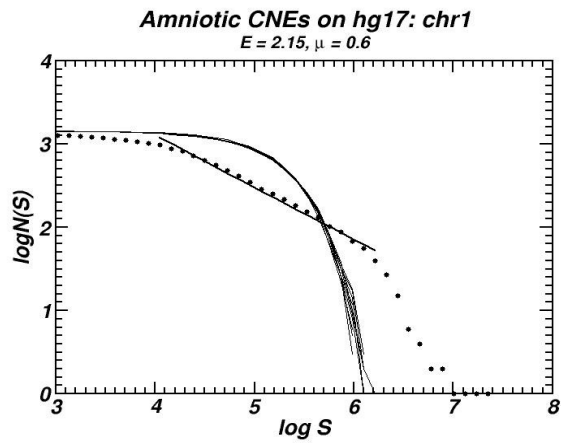
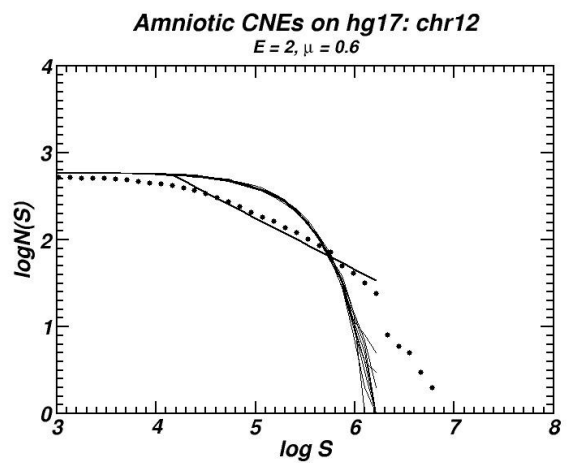
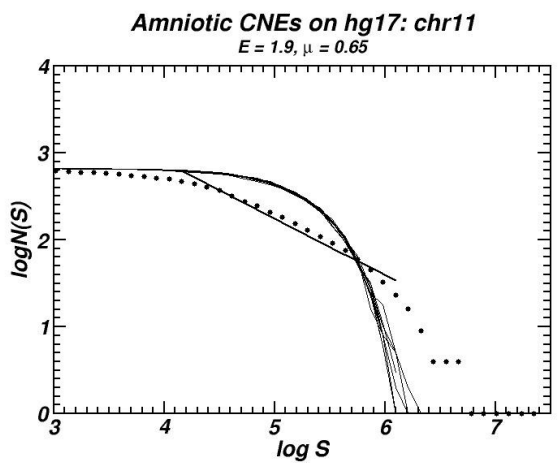
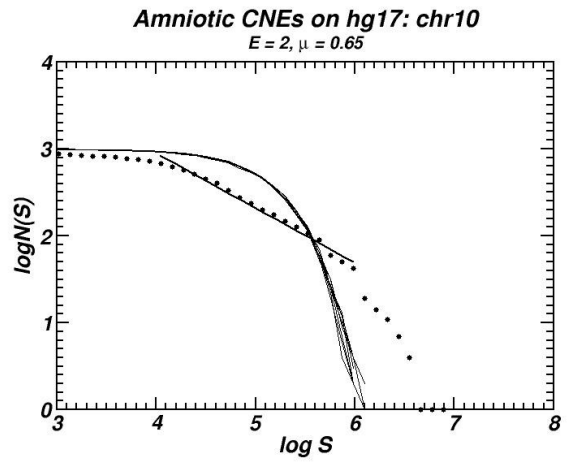
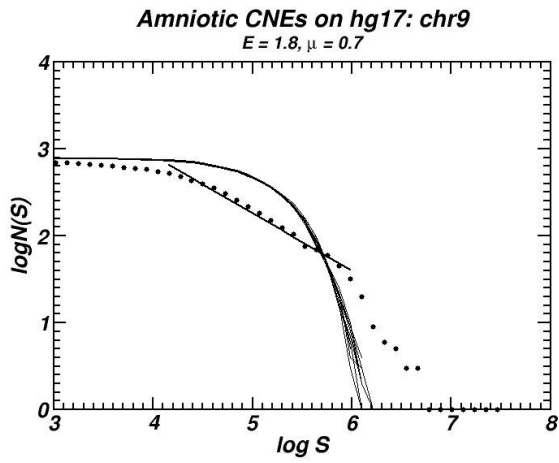
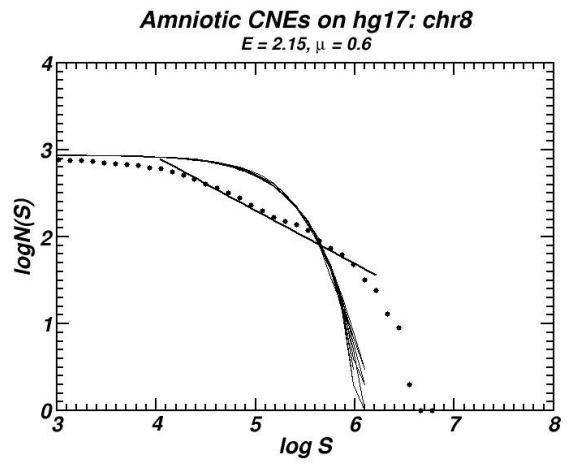
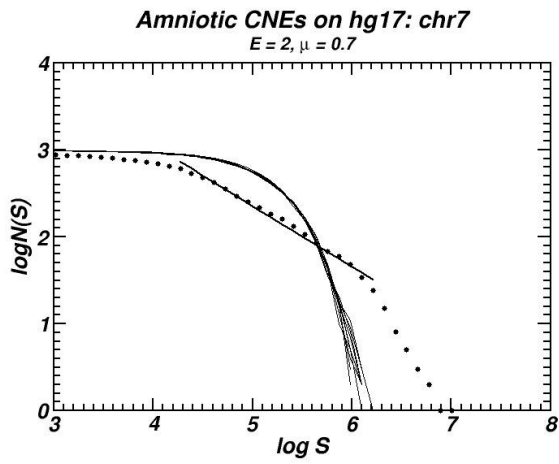
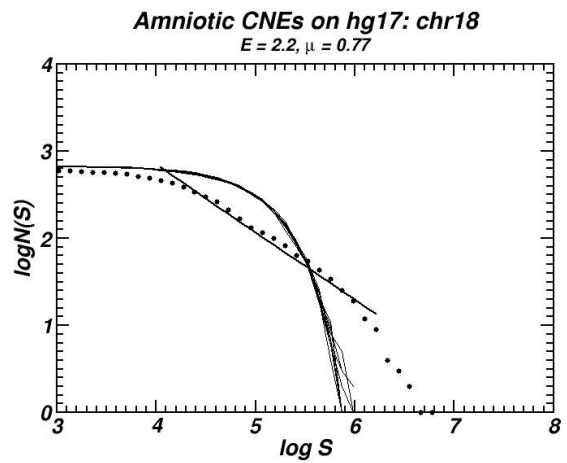
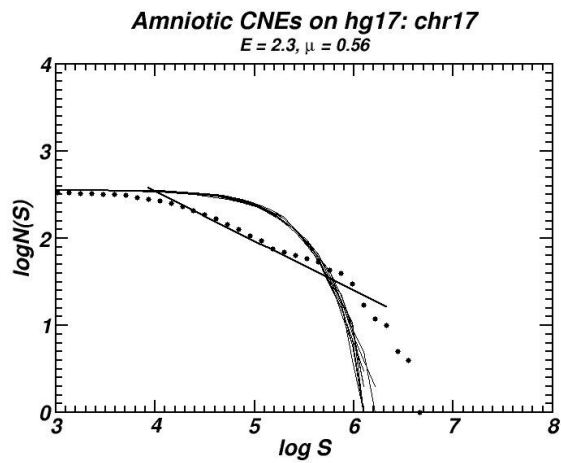
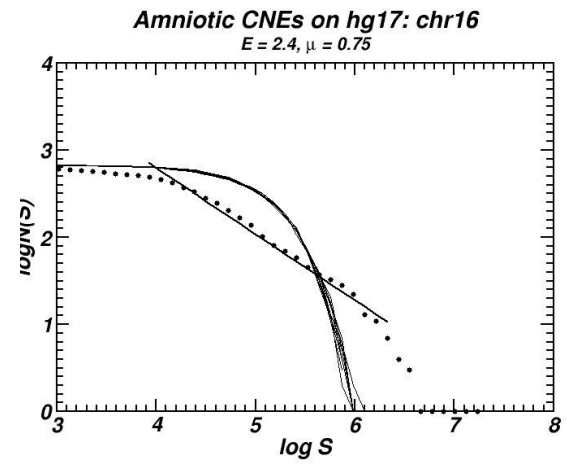
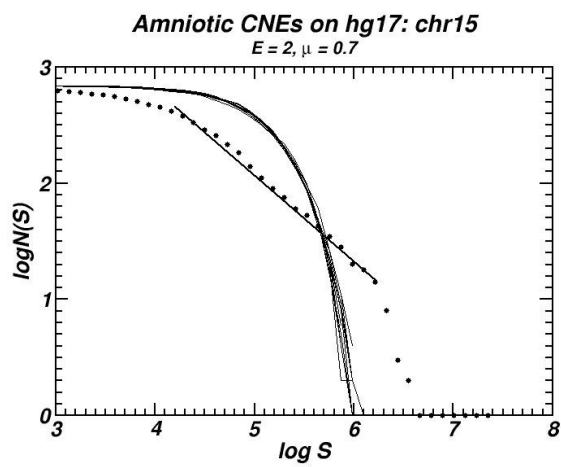
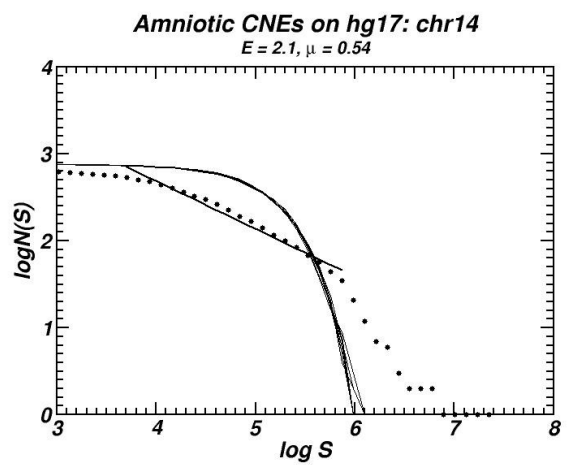
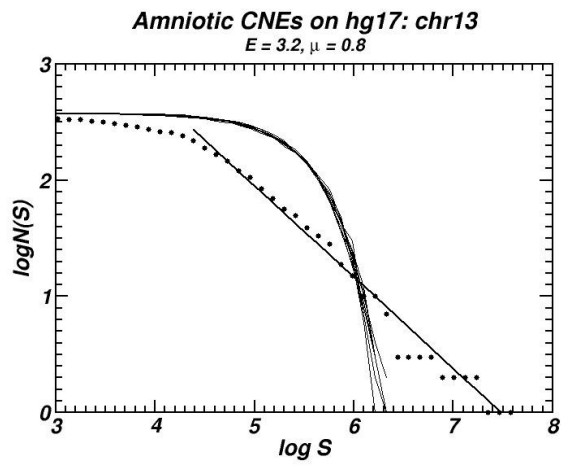


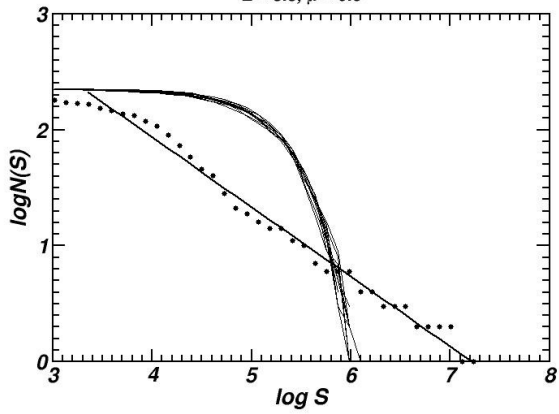
# Amniotic CNEs (Dataset iib)



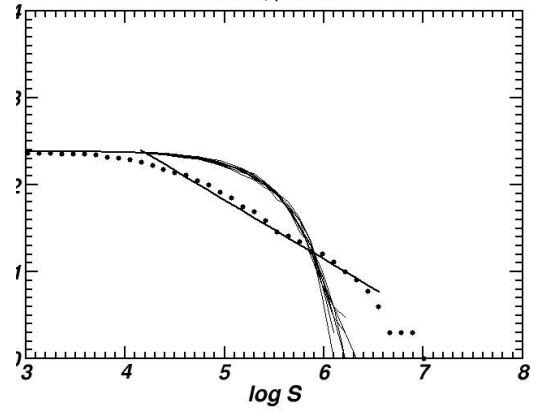




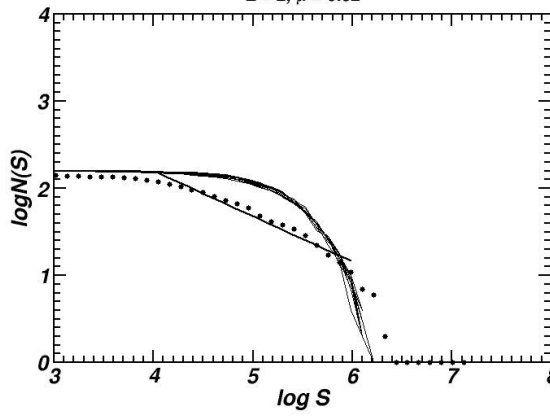
**Amniotic CNEs on hg17: chr19**  
 $E = 3.8, \mu = 0.6$



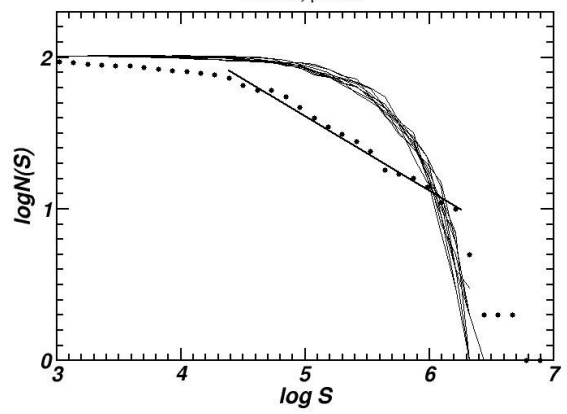
**Amniotic CNEs on hg17: chr20**  
 $E = 2.4, \mu = 0.68$



**Amniotic CNEs on hg17: chr21**  
 $E = 2, \mu = 0.52$

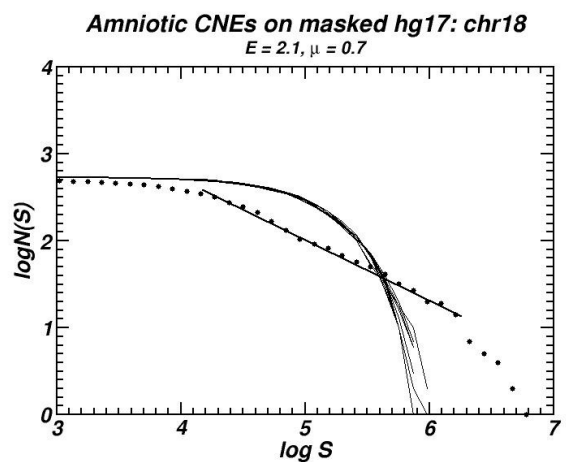
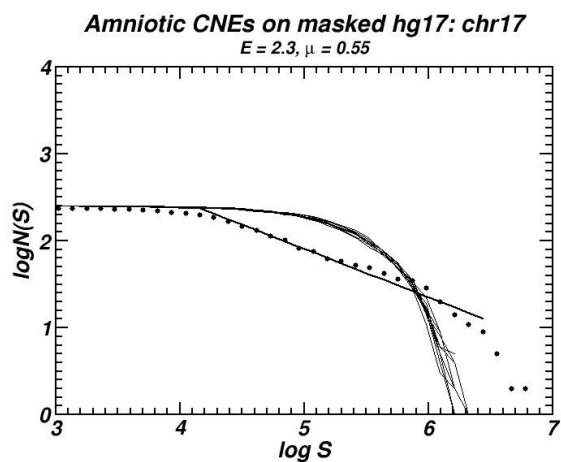
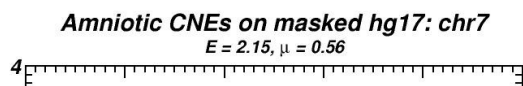
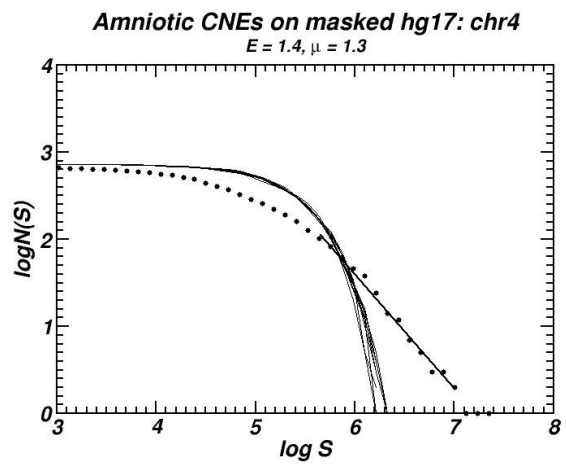
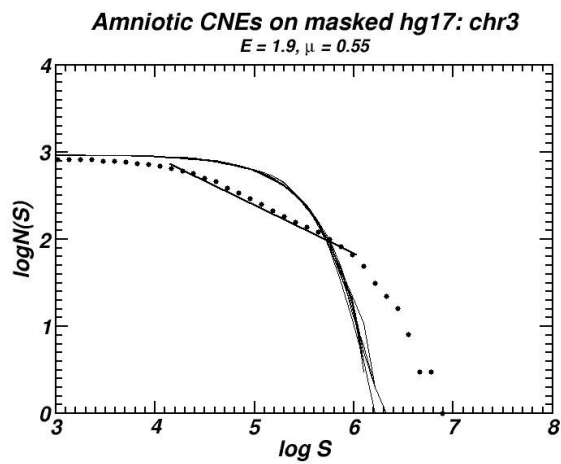
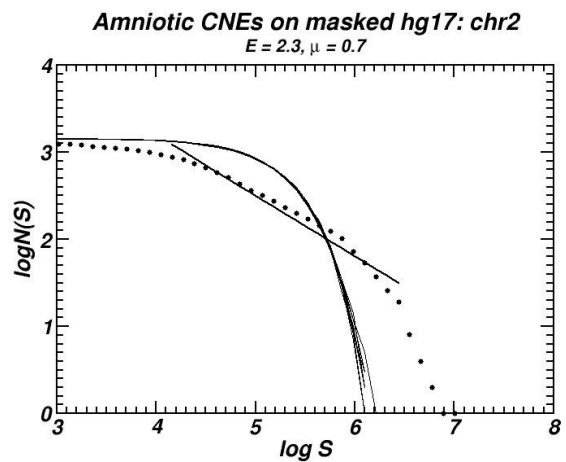
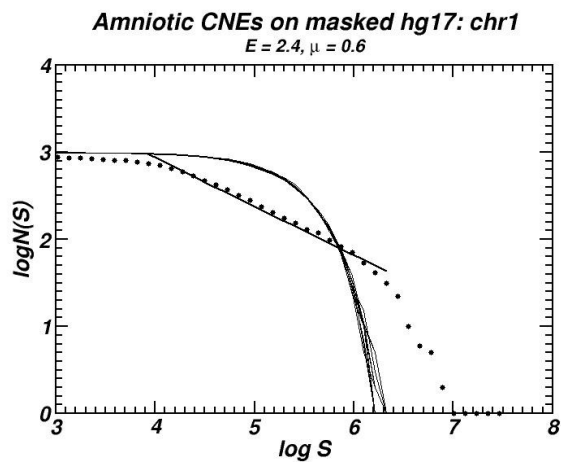


**Amniotic CNEs on hg17: chr22**  
 $E = 1.8, \mu = 0.5$

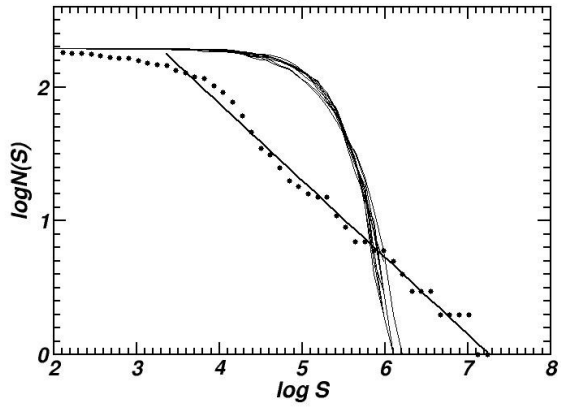




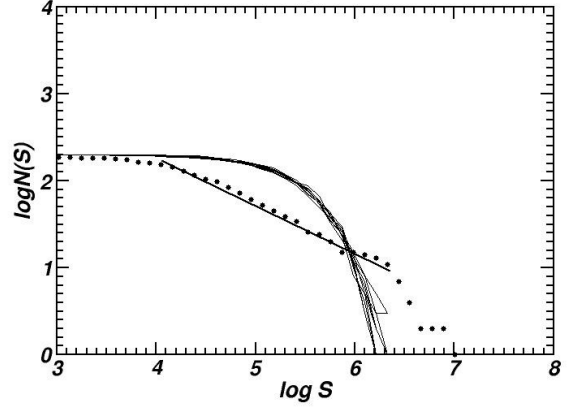
# Amniotic CNEs on gene-masked genome



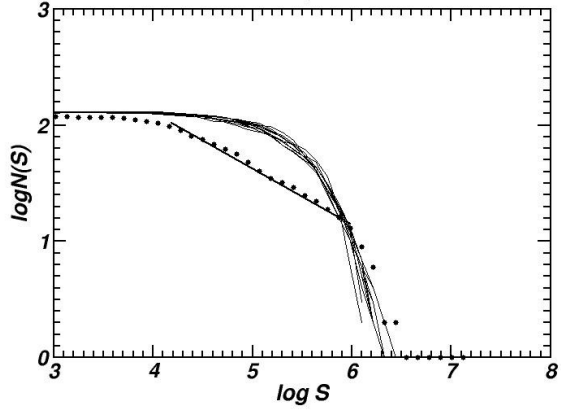
**Amniotic CNEs on masked hg17: chr19**  
 $E = 3.9, \mu = 0.57$



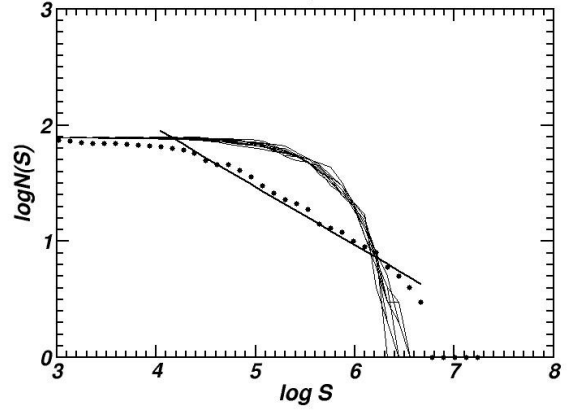
**Amniotic CNEs on masked hg17: chr20**  
 $E = 2.3, \mu = 0.55$



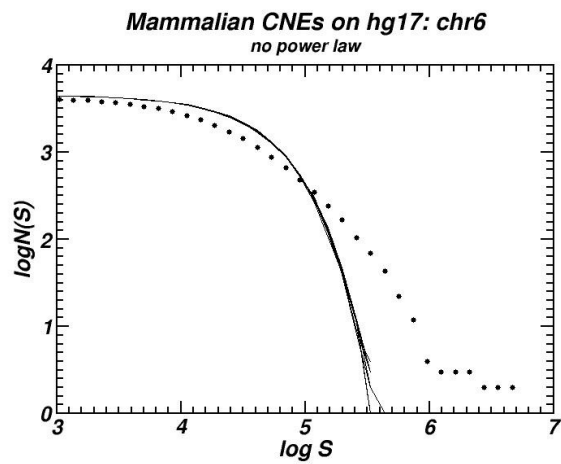
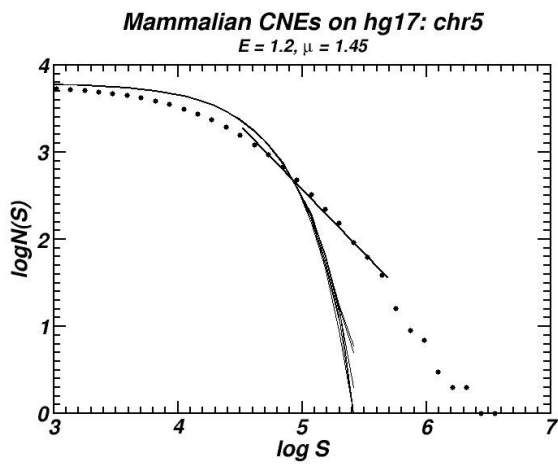
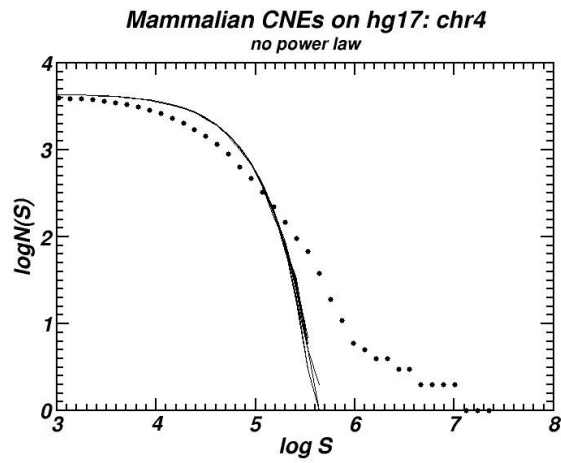
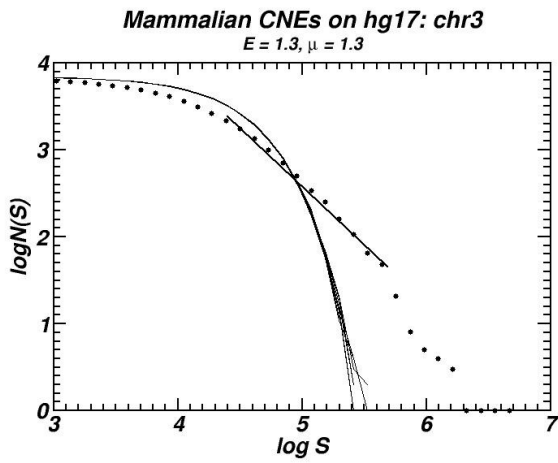
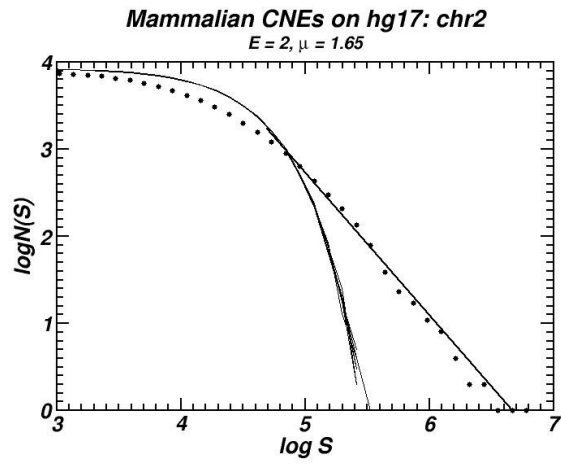
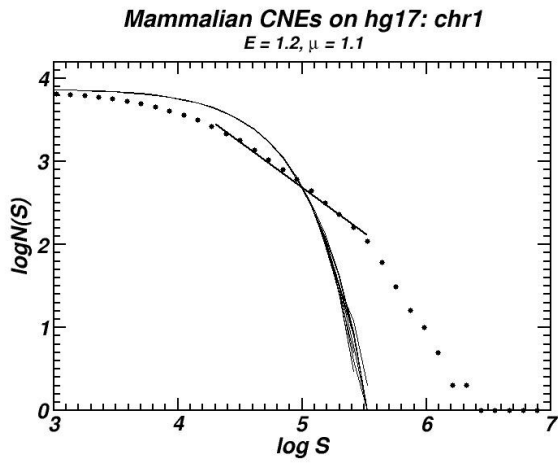
**Amniotic CNEs on masked hg17: chr21**  
 $E = 1.8, \mu = 0.5$

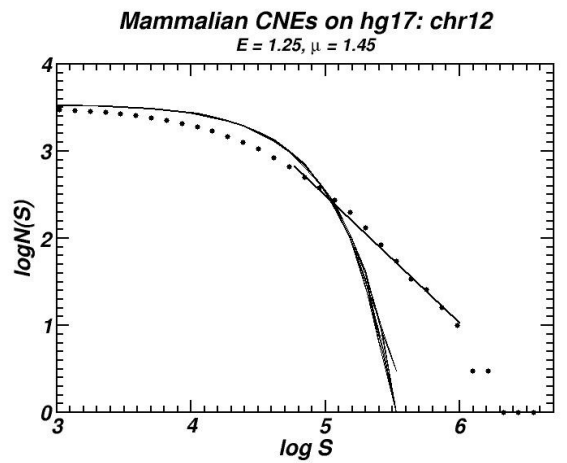
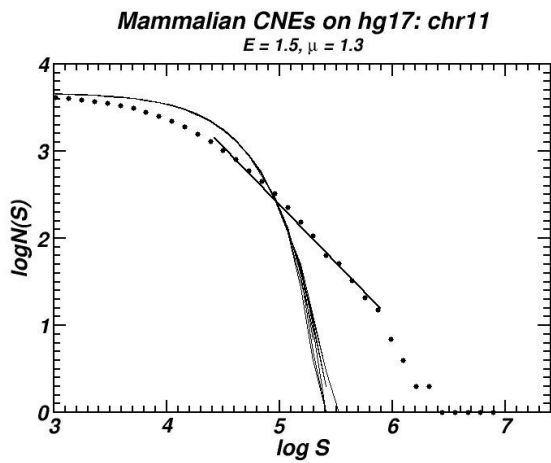
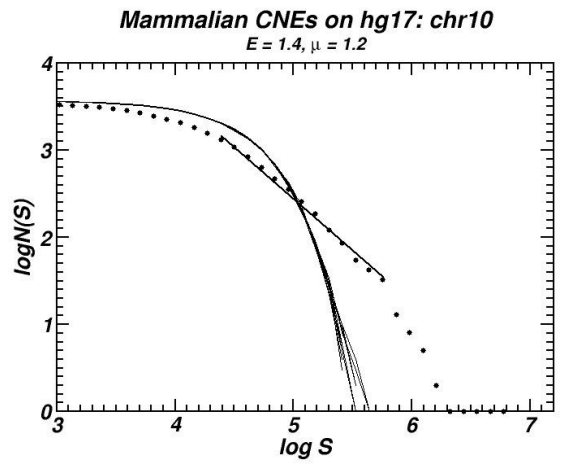
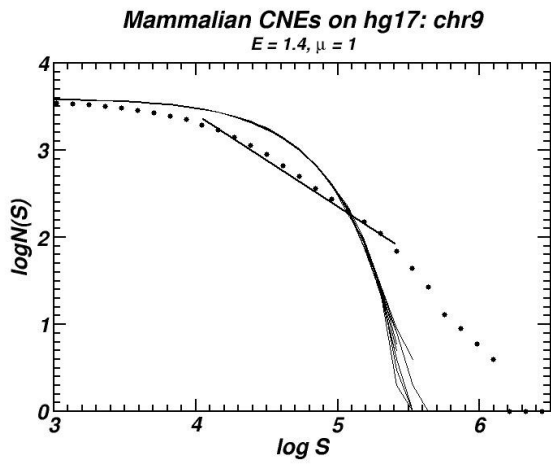
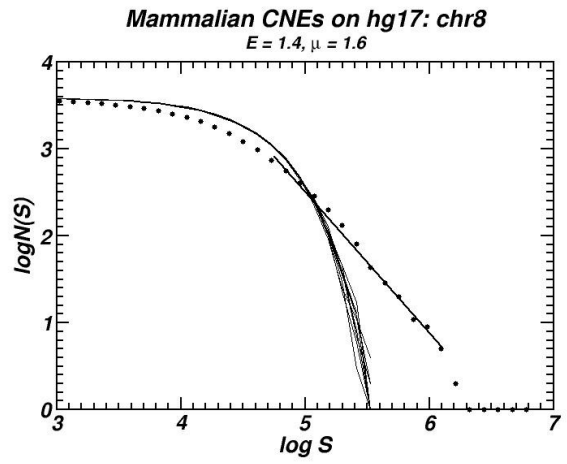
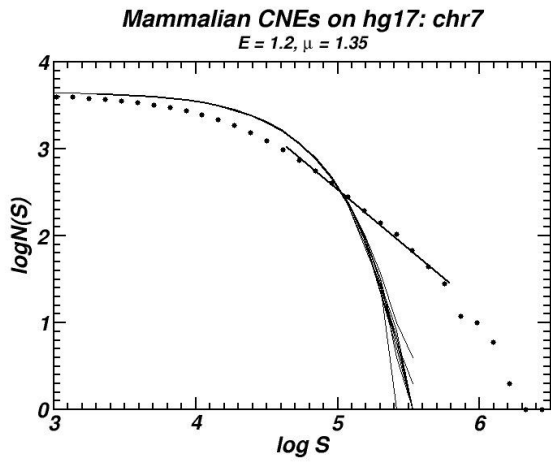


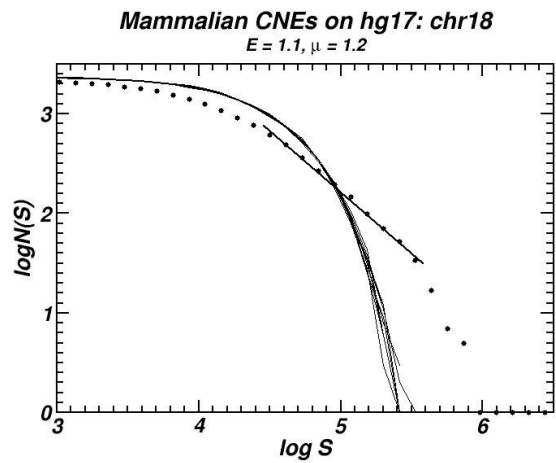
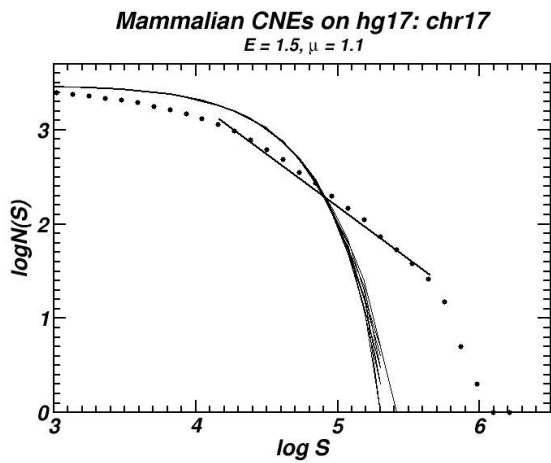
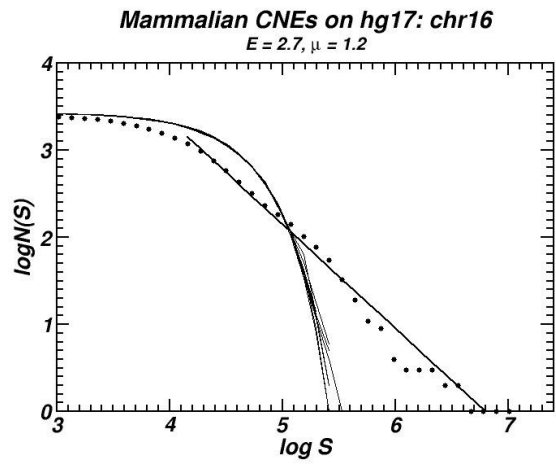
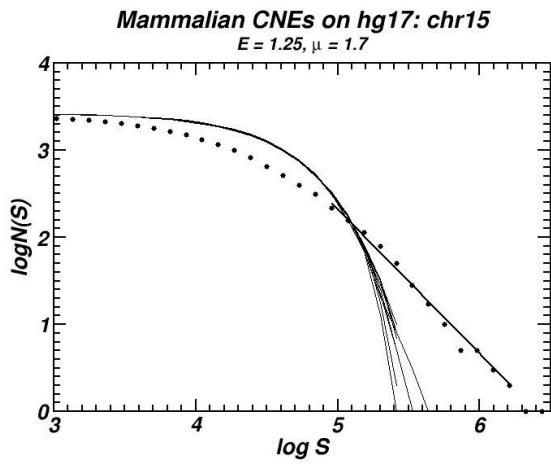
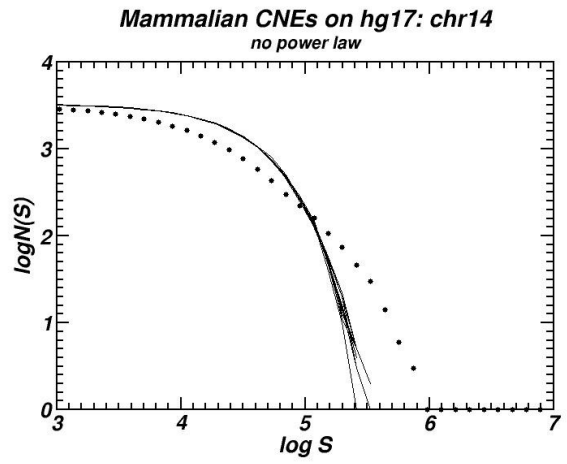
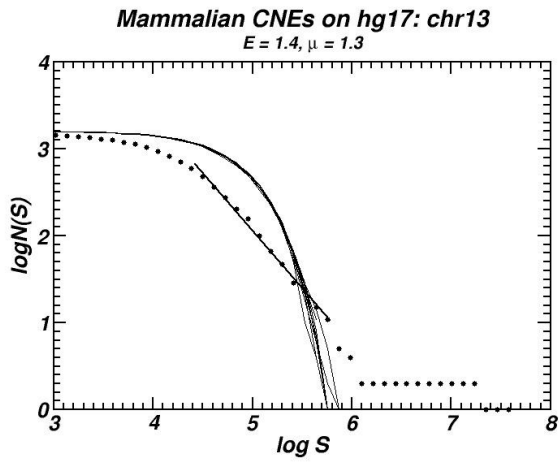
**Amniotic CNEs on masked hg17: chr22**  
 $E = 2.6, \mu = 0.5$



# Mammalian CNEs (Dataset iia)

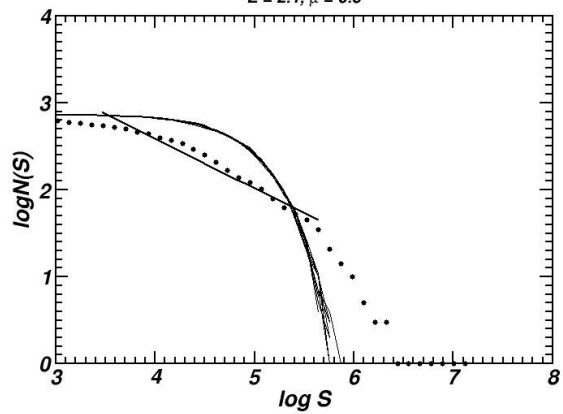






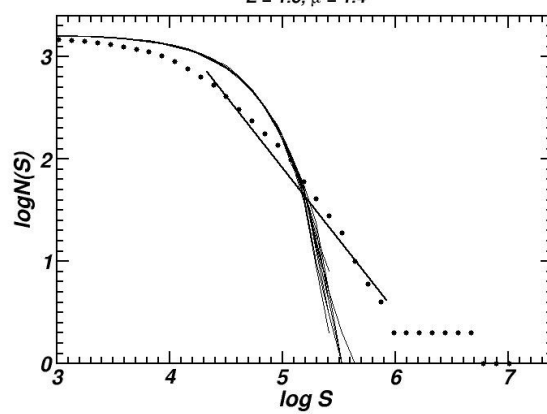
**Mammalian CNEs on hg17: chr19**

$E = 2.1, \mu = 0.6$



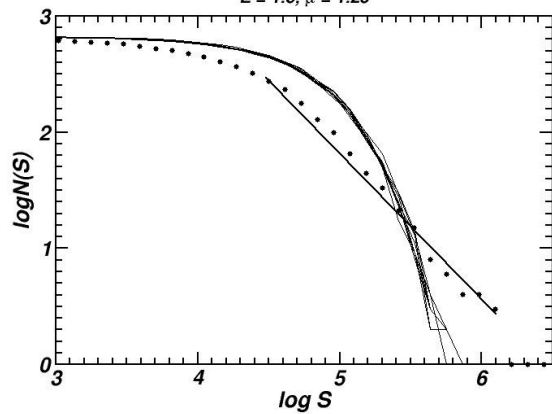
**Mammalian CNEs on hg17: chr20**

$E = 1.6, \mu = 1.4$



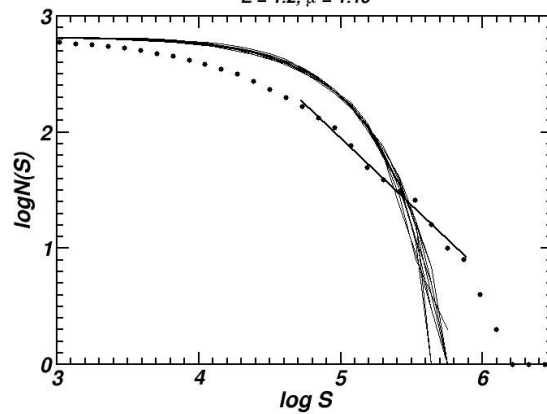
**Mammalian CNEs on hg17: chr21**

$E = 1.6, \mu = 1.25$

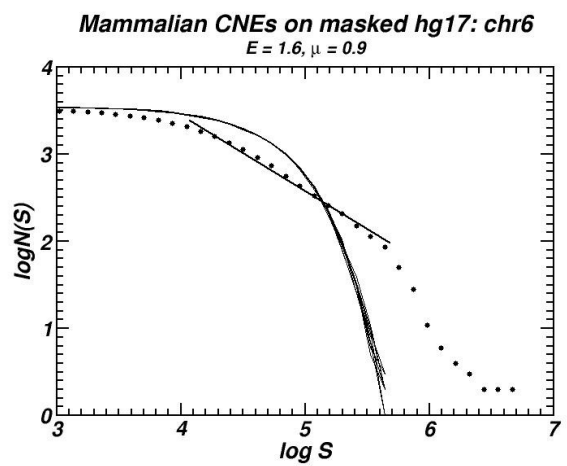
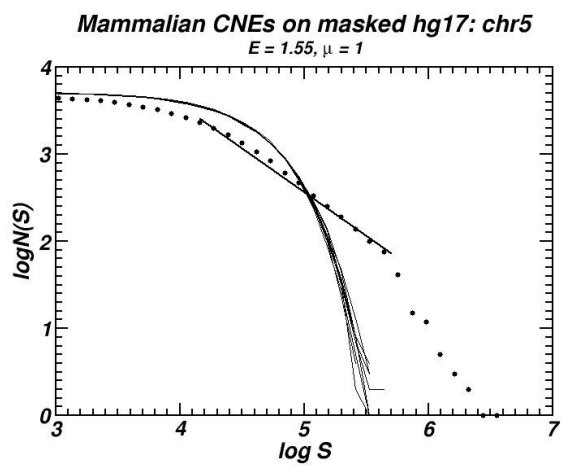
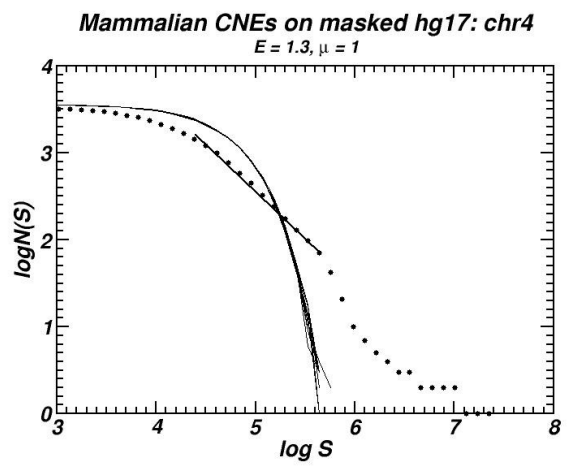
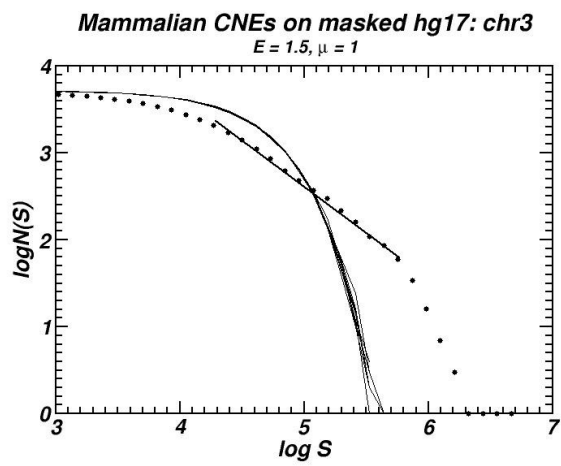
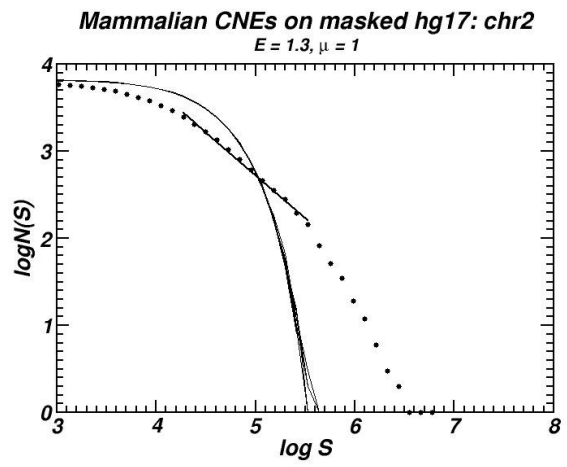
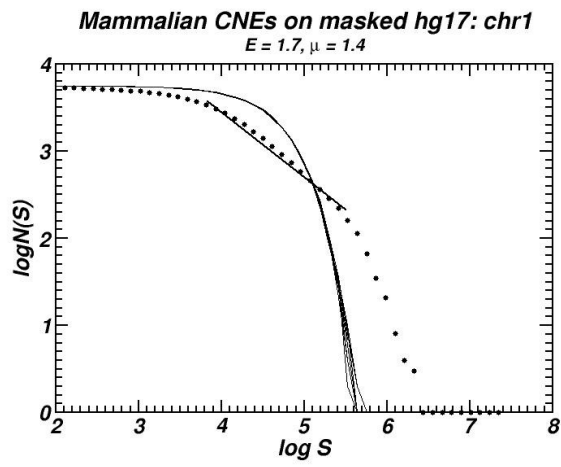


**Mammalian CNEs on hg17: chr22**

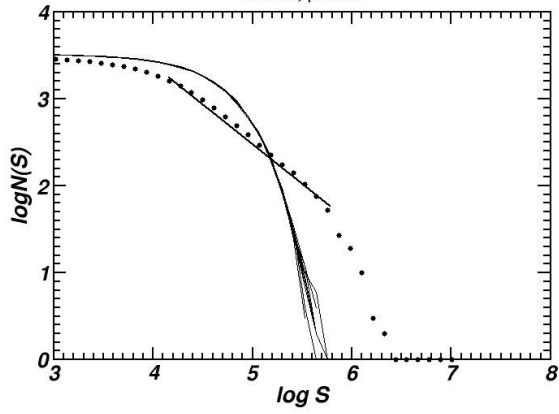
$E = 1.2, \mu = 1.15$



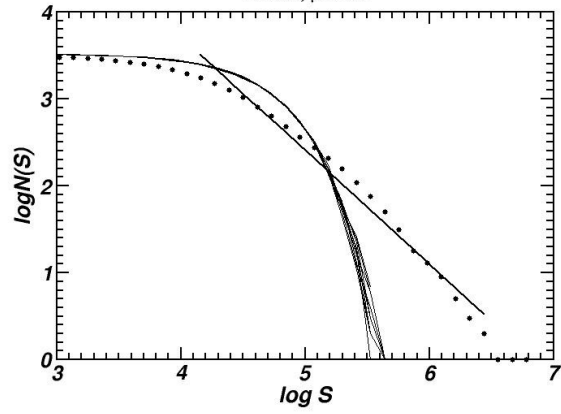
# Mammalian CNEs on gene-masked genome



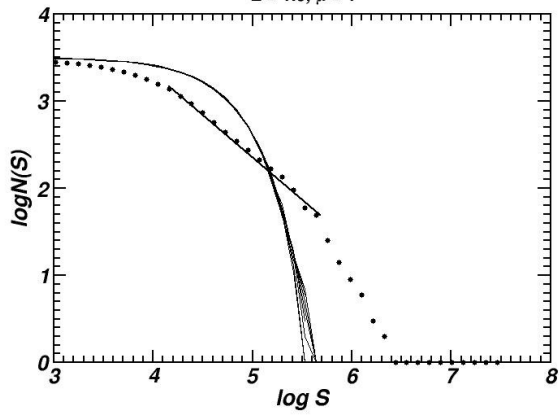
**Mammalian CNEs on masked hg17: chr7**  
 $E = 1.6, \mu = 0.9$



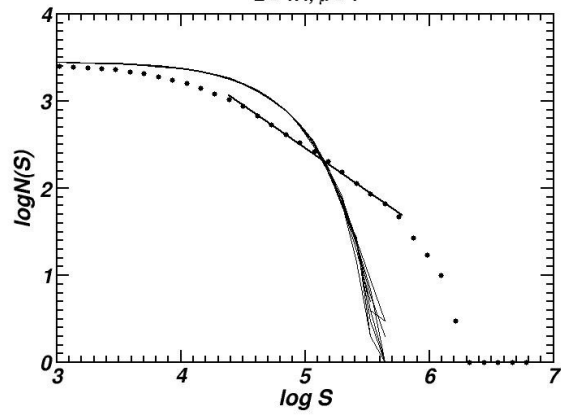
**Mammalian CNEs on masked hg17: chr8**  
 $E = 2.3, \mu = 1.3$



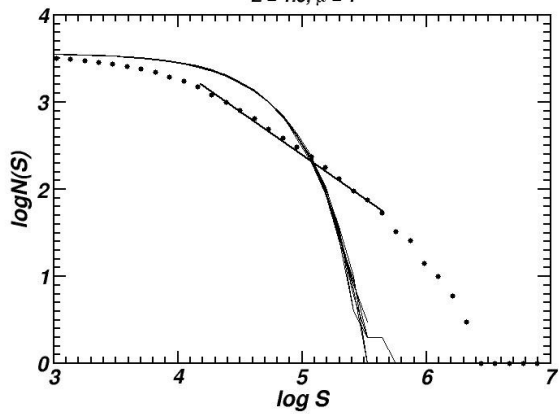
**Mammalian CNEs on masked hg17: chr9**  
 $E = 1.5, \mu = 1$



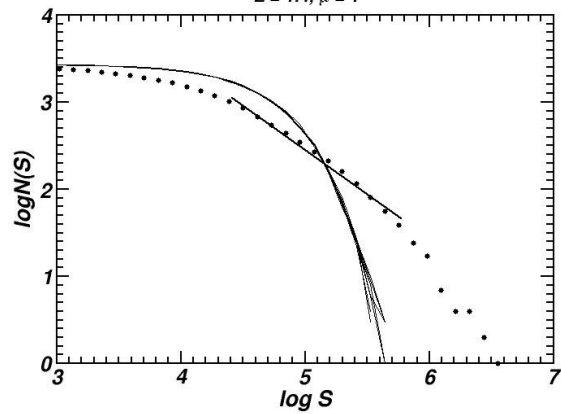
**Mammalian CNEs on masked hg17: chr10**  
 $E = 1.4, \mu = 1$



**Mammalian CNEs on hg17: chr11**  
 $E = 1.5, \mu = 1$

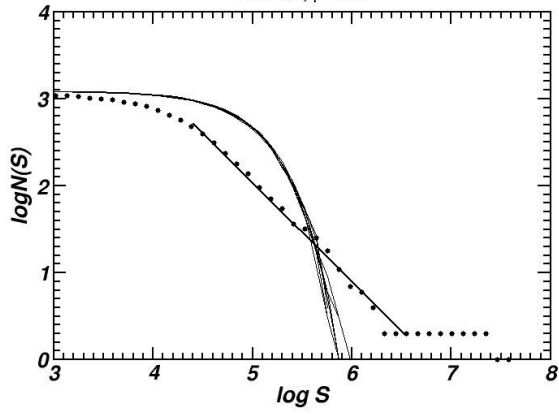


**Mammalian CNEs on masked hg17: chr12**  
 $E = 1.4, \mu = 1$

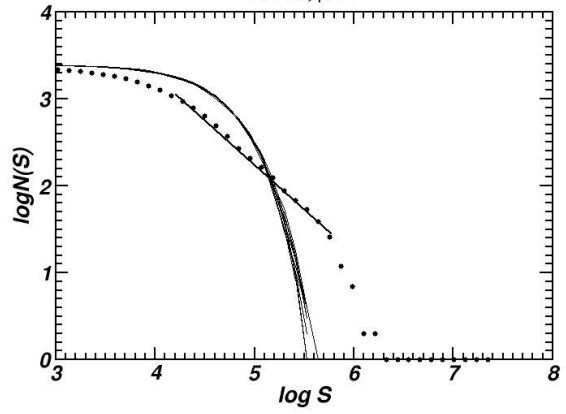




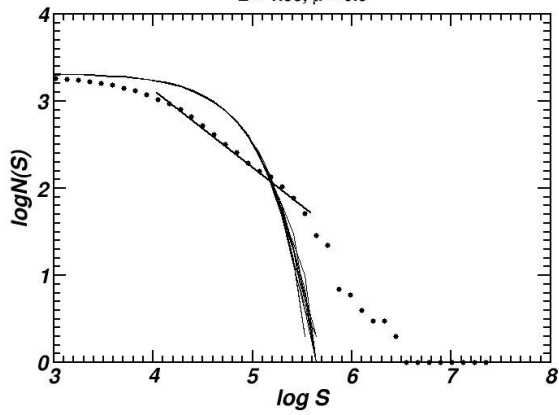
**Mammalian CNEs on masked hg17: chr13**  
 $E = 2.15, \mu = 1.1$



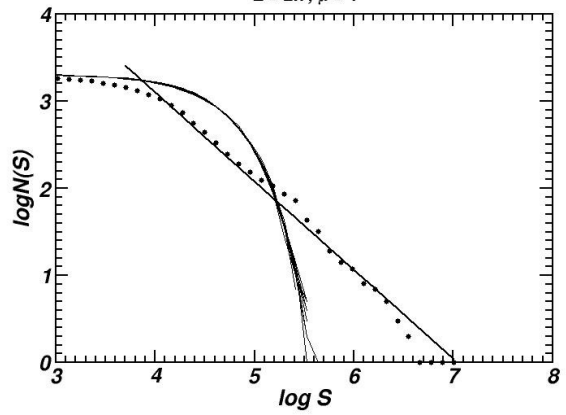
**Mammalian CNEs on masked hg17: chr14**  
 $E = 1.6, \mu = 1$



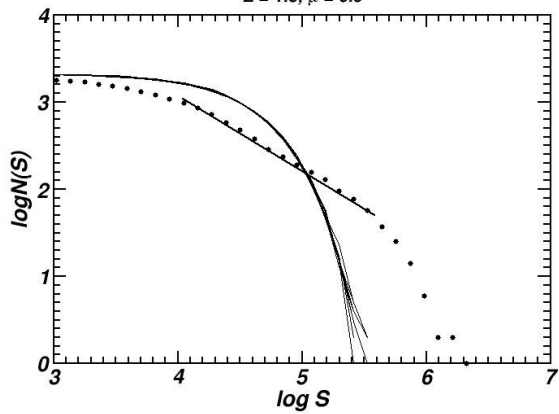
**Mammalian CNEs on masked hg17: chr15**  
 $E = 1.55, \mu = 0.9$



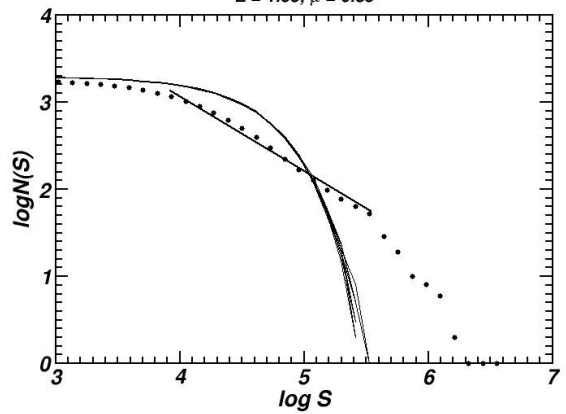
**Mammalian CNEs on masked hg17: chr16**  
 $E = 2.7, \mu = 1$

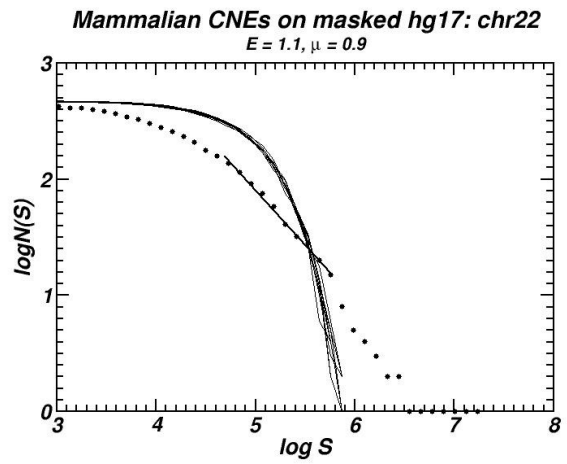
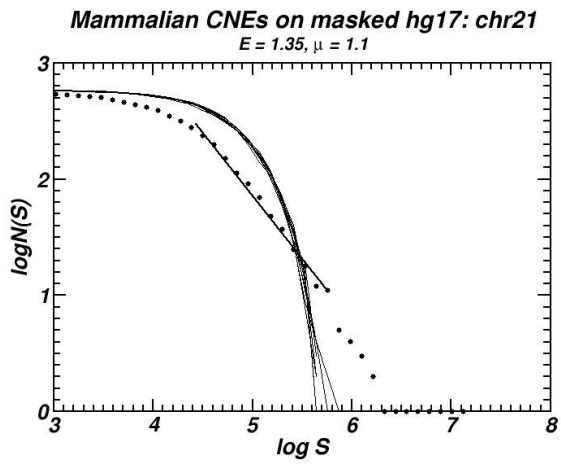
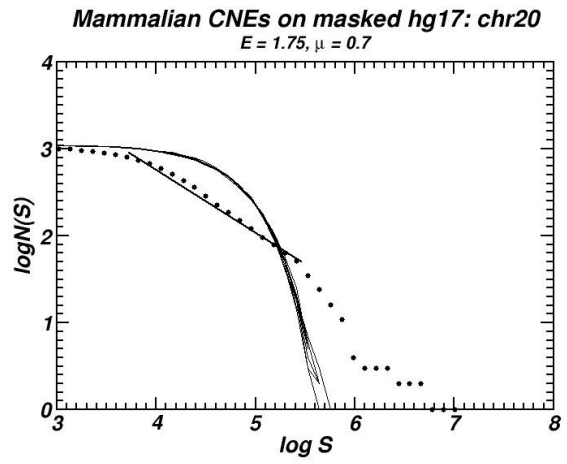
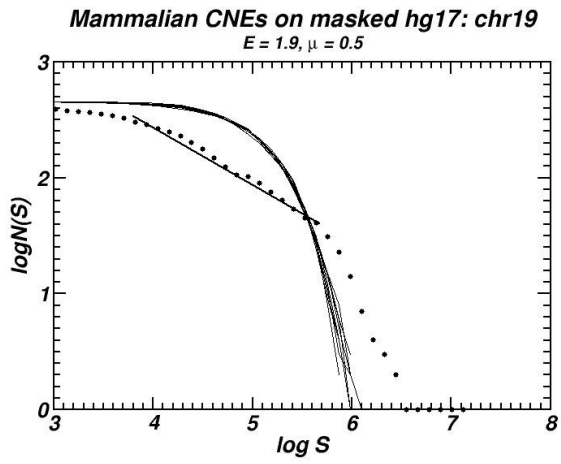


**Mammalian CNEs on masked hg17: chr17**  
 $E = 1.6, \mu = 0.9$

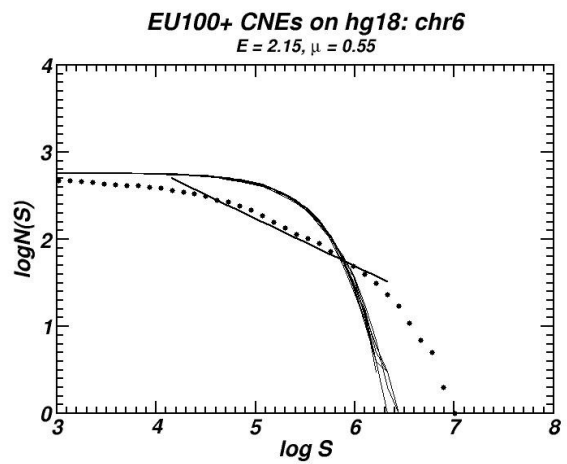
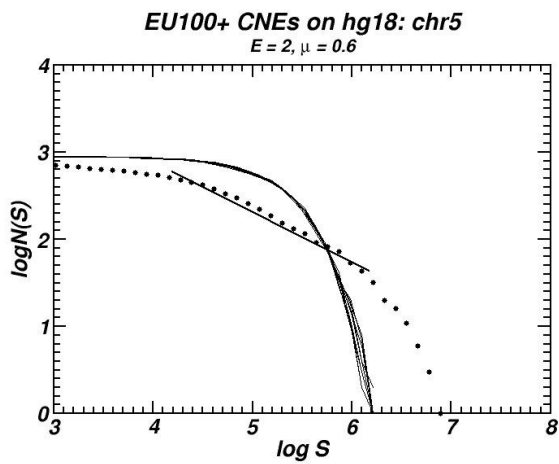
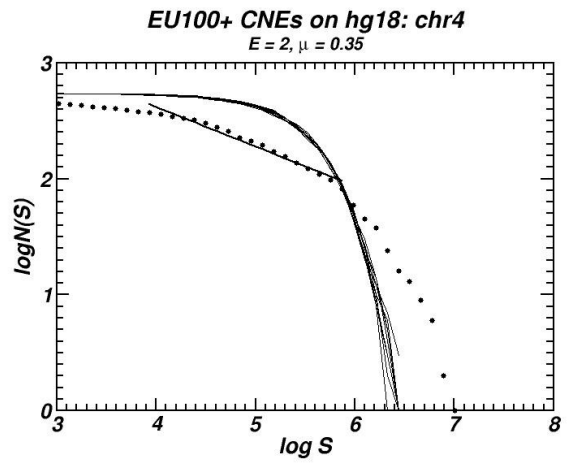
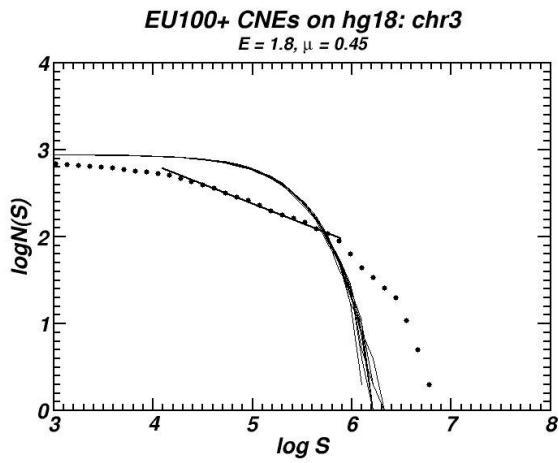
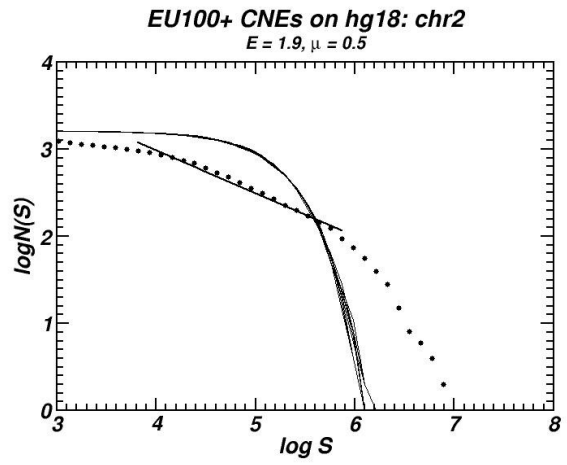
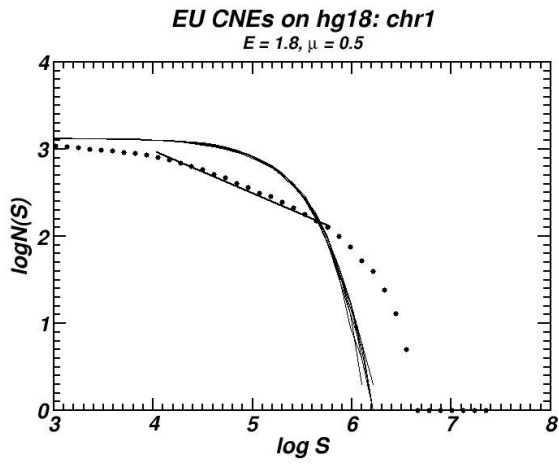


**Mammalian CNEs on masked hg17: chr18**  
 $E = 1.65, \mu = 0.85$

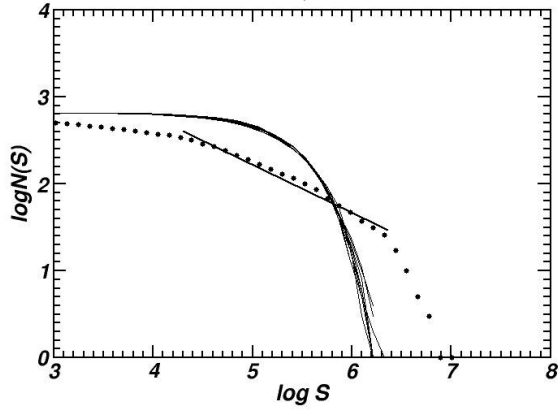




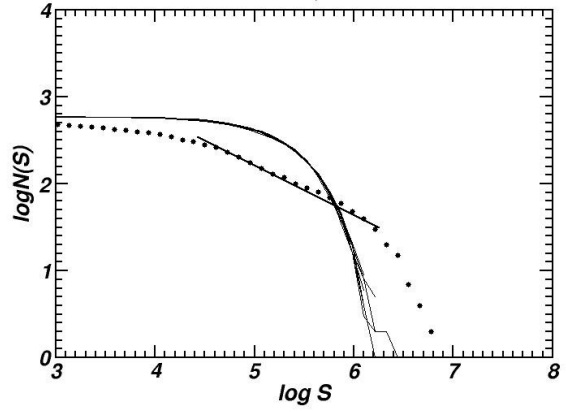
# EU100+ CNEs (Dataset i)



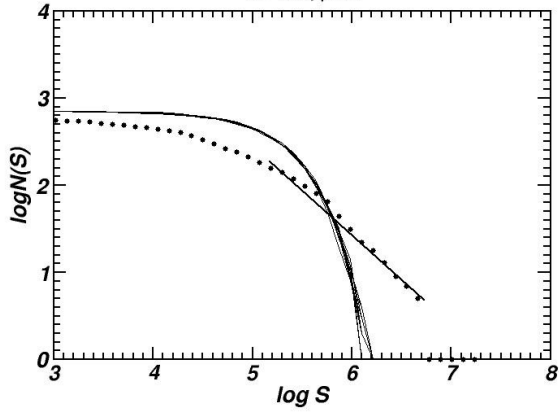
**EU100+ CNEs on hg18: chr7**  
 $E = 2.1, \mu = 0.55$



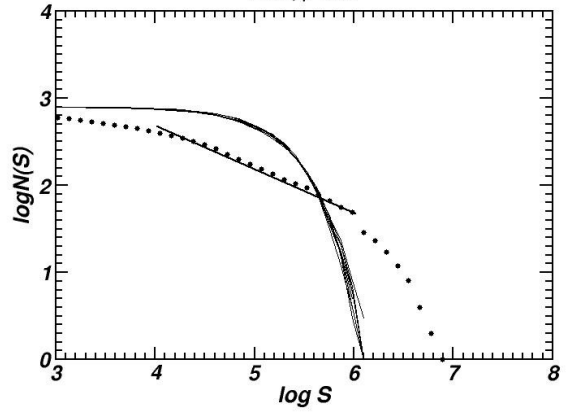
**EU100+ CNEs on hg18: chr8**  
 $E = 1.85, \mu = 0.6$



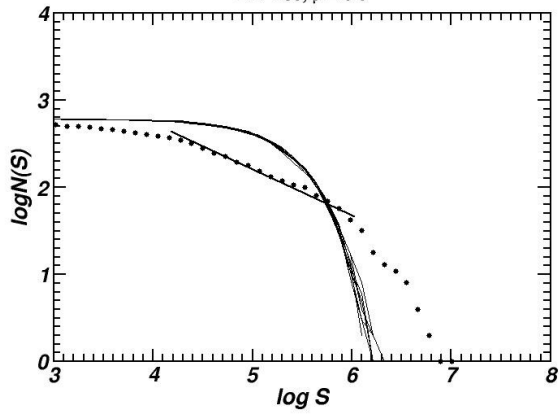
**EU100+ CNEs on hg18: chr9**  
 $E = 1.65, \mu = 1$



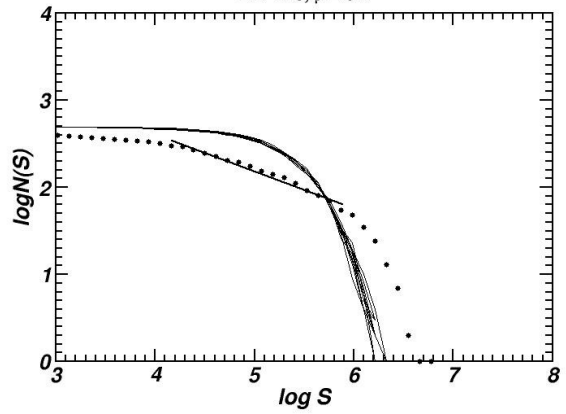
**EU100+ CNEs on hg18: chr10**  
 $E = 2, \mu = 0.5$



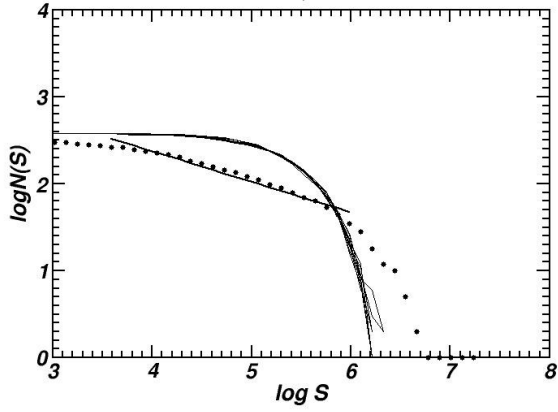
**EU100+ CNEs on hg18: chr11**  
 $E = 1.85, \mu = 0.5$



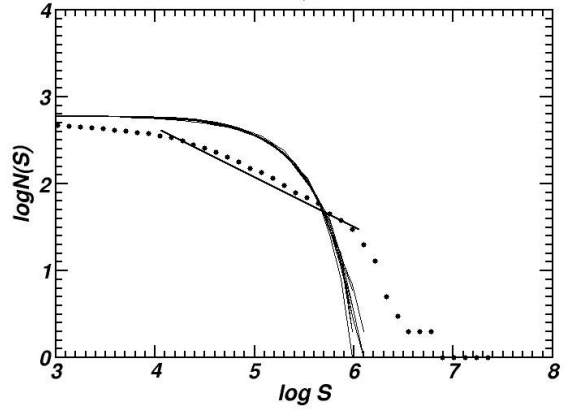
**EU100+ CNEs on hg18: chr12**  
 $E = 1.75, \mu = 0.4$



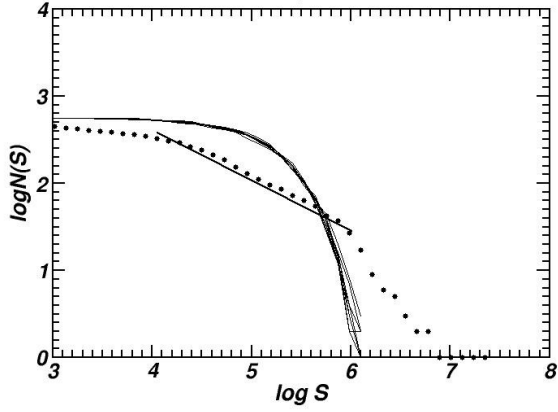
**EU100+ CNEs on hg18: chr13**  
 $E = 2.4, \mu = 0.35$



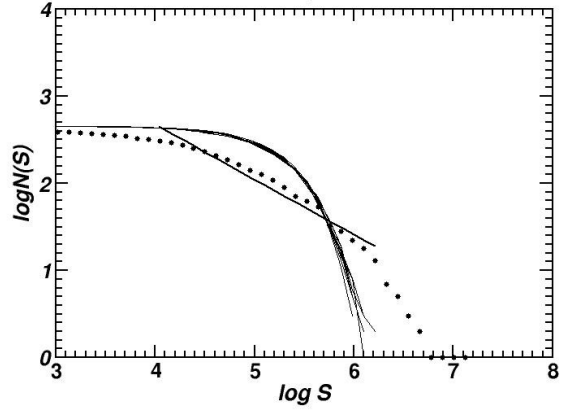
**EU100+ CNEs on hg18: chr14**  
 $E = 2, \mu = 0.6$



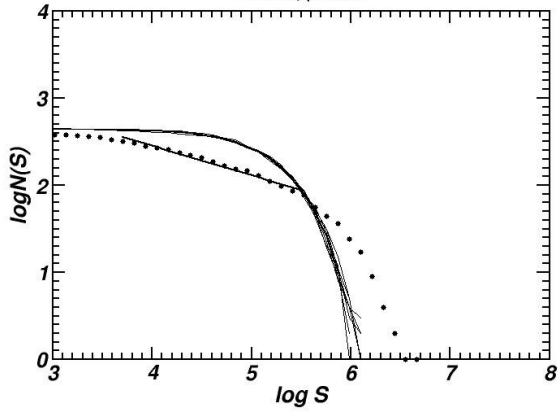
**EU100+ CNEs on hg18: chr15**  
 $E = 2, \mu = 0.6$



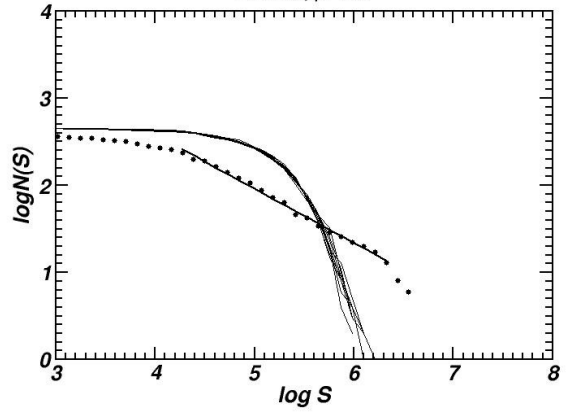
**EU100+ CNEs on hg18: chr16**  
 $E = 2.2, \mu = 0.6$

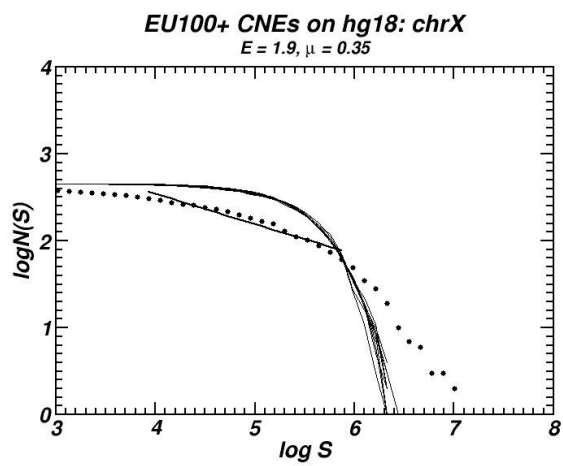
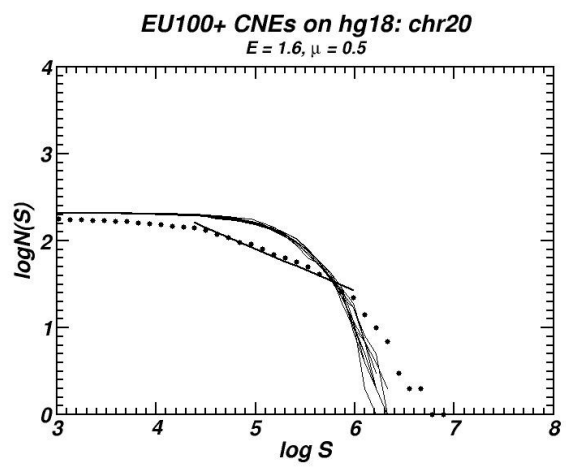
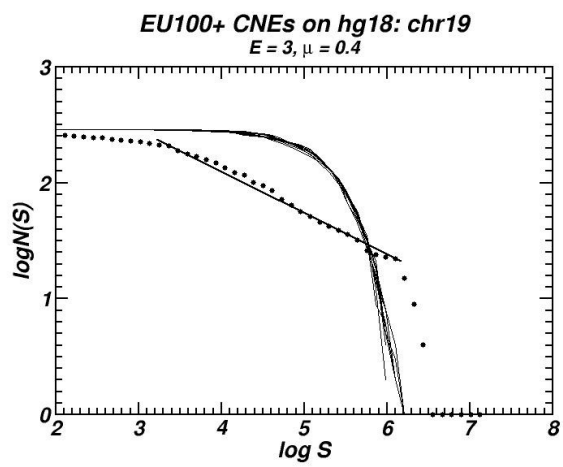


**EU100+ CNEs on hg18: chr17**  
 $E = 1.9, \mu = 0.3$

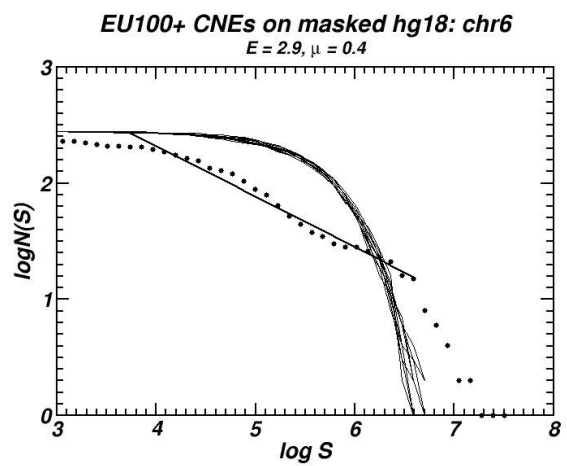
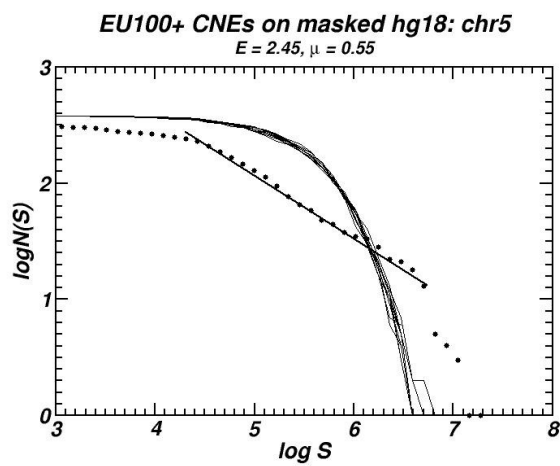
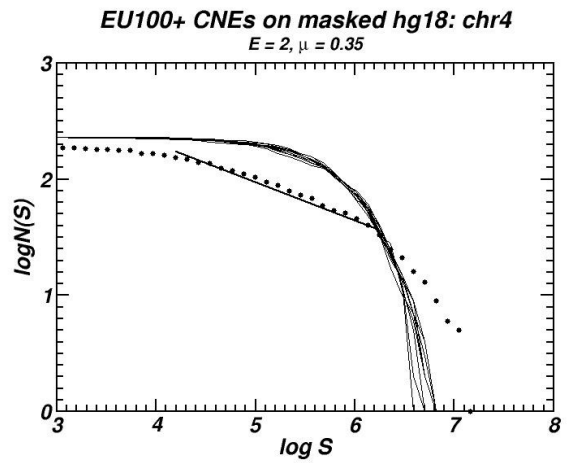
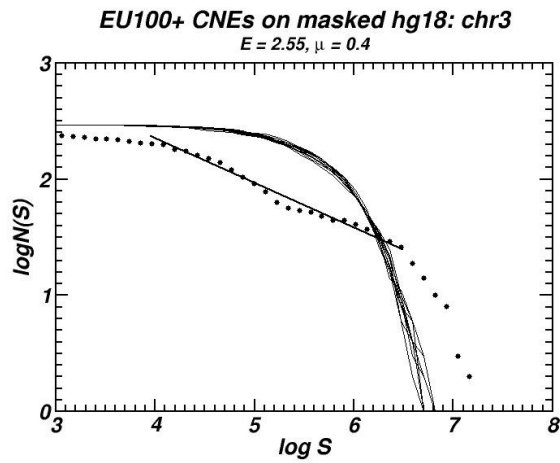
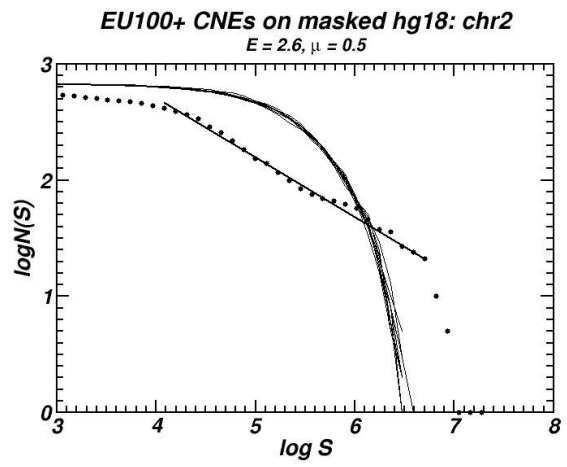
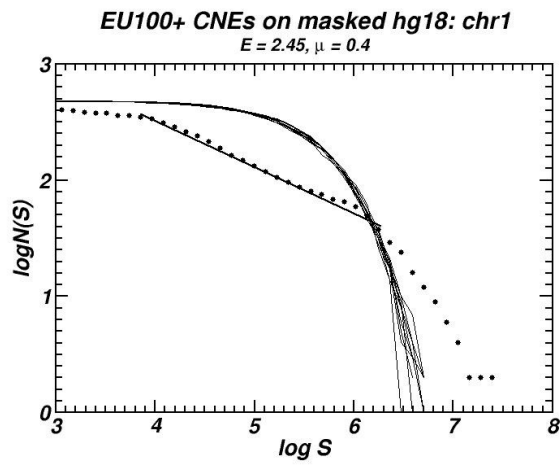


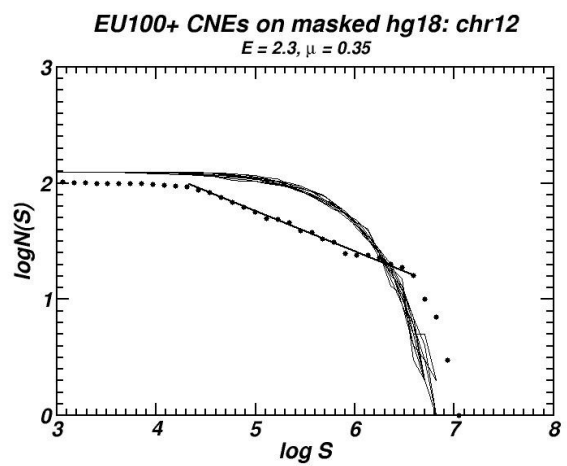
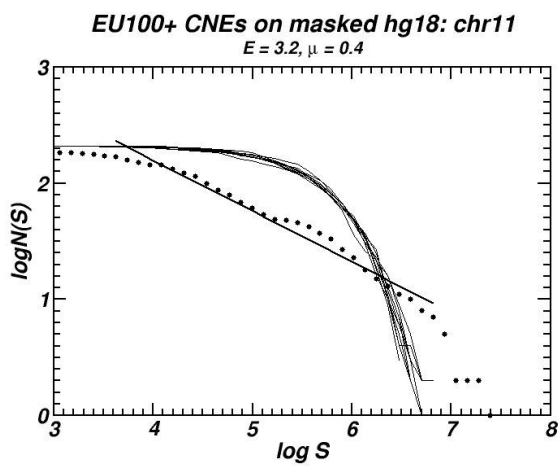
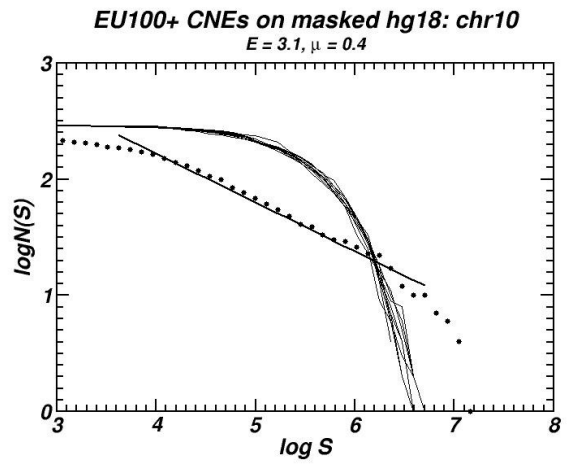
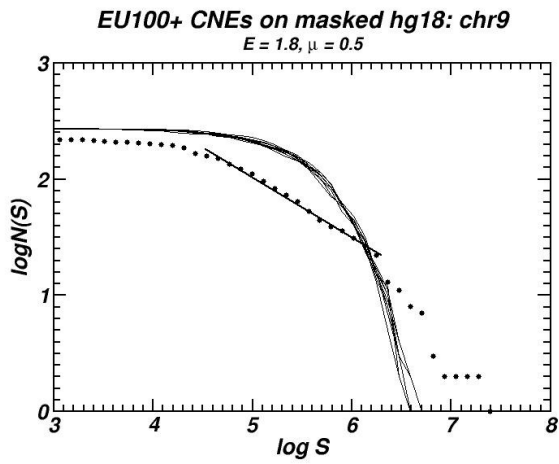
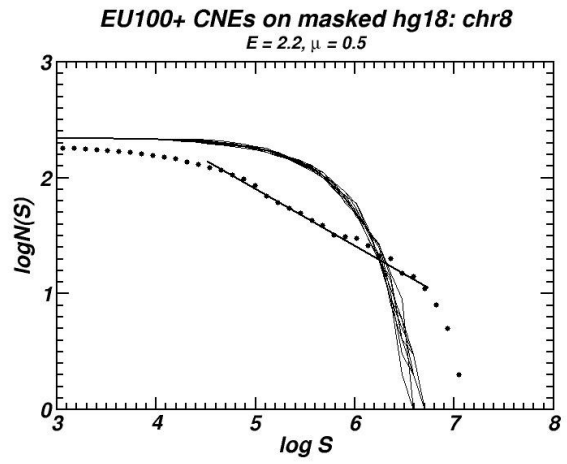
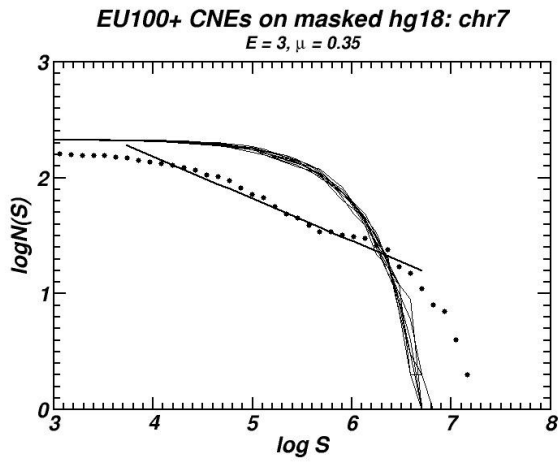
**EU100+ CNEs on hg18: chr18**  
 $E = 2.15, \mu = 0.6$



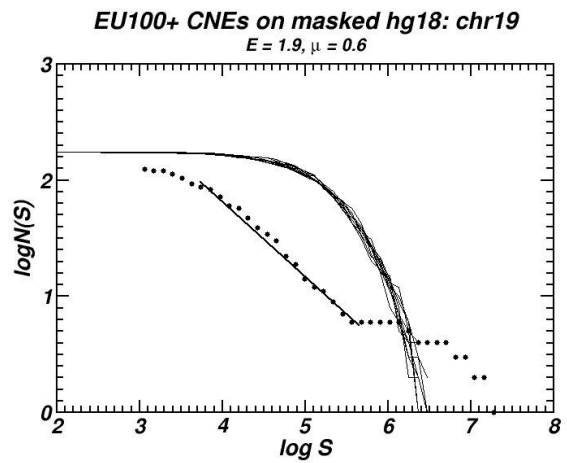
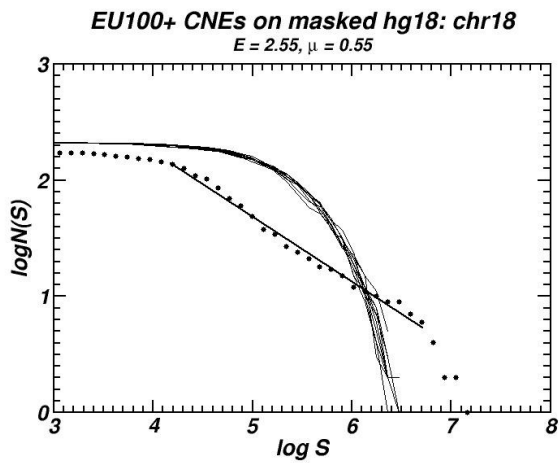
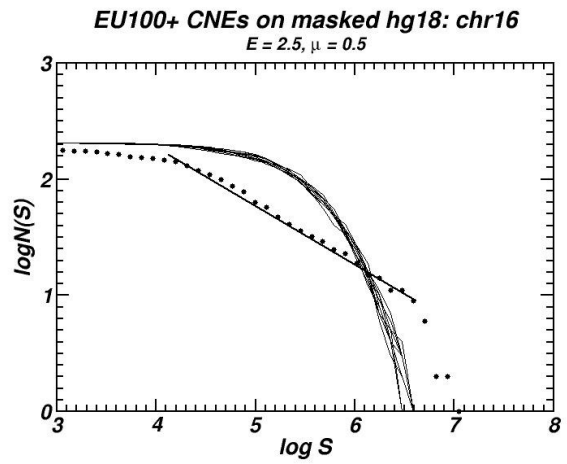
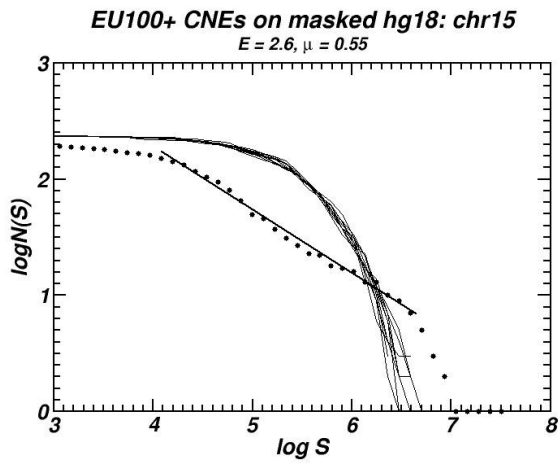
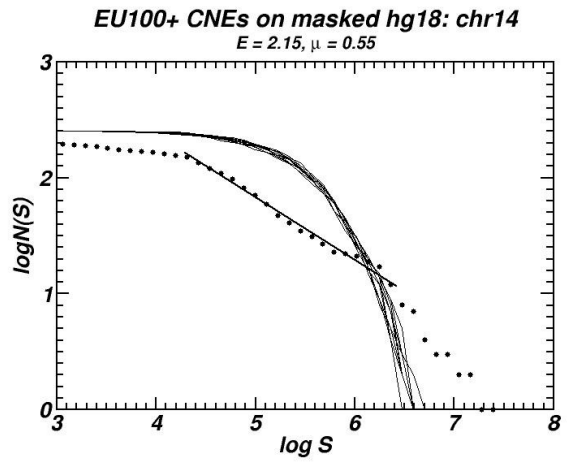
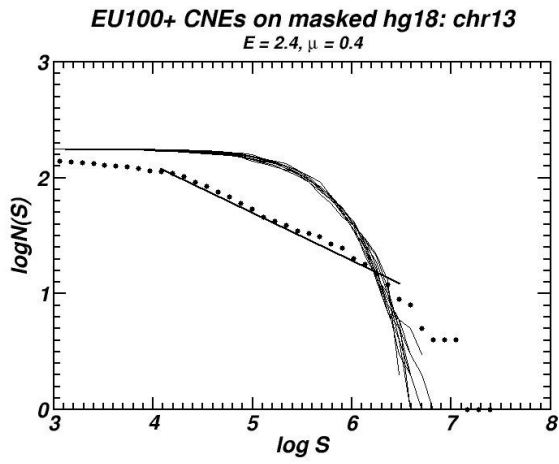


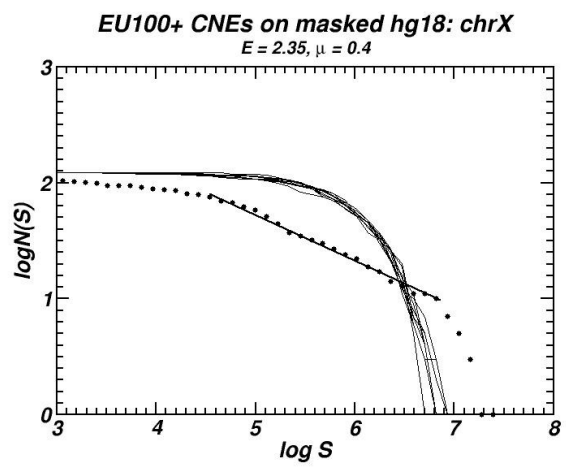
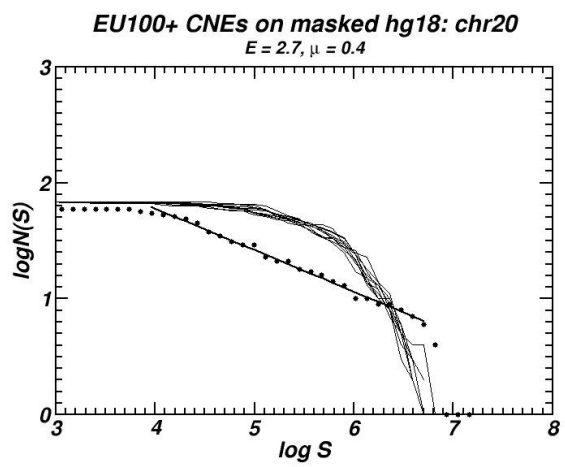
# EU100+ CNEs on gene-masked genome



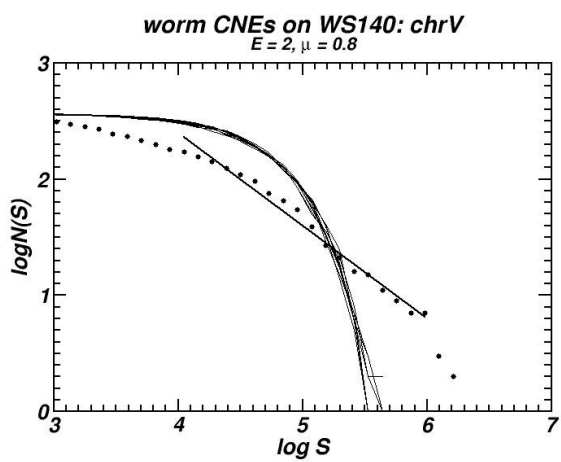
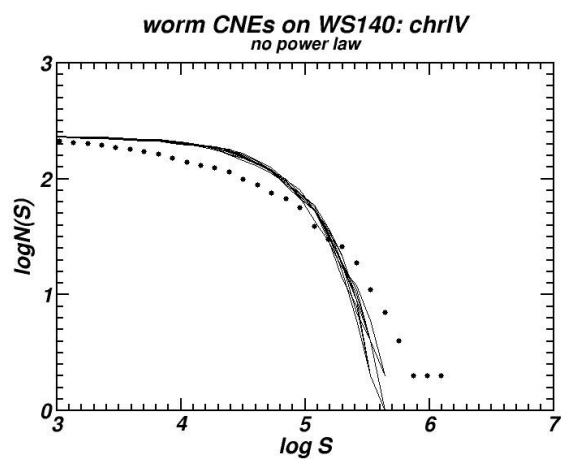
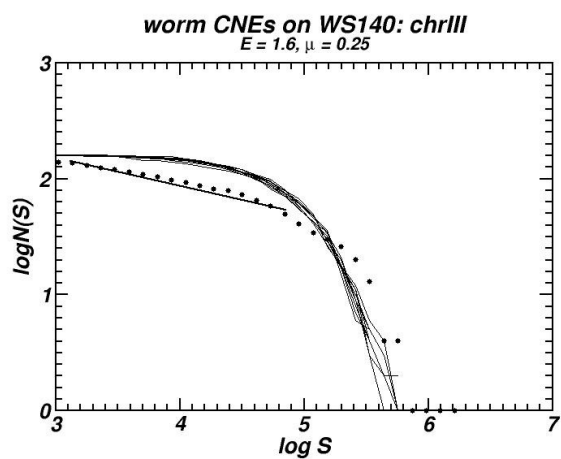
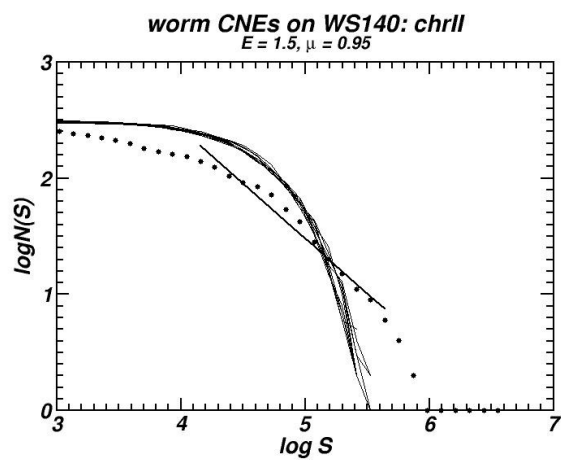
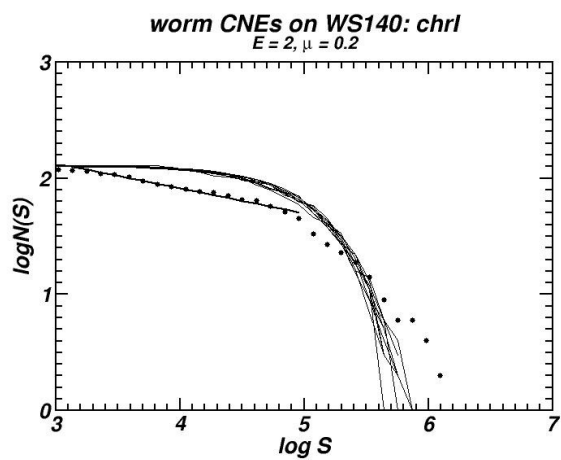




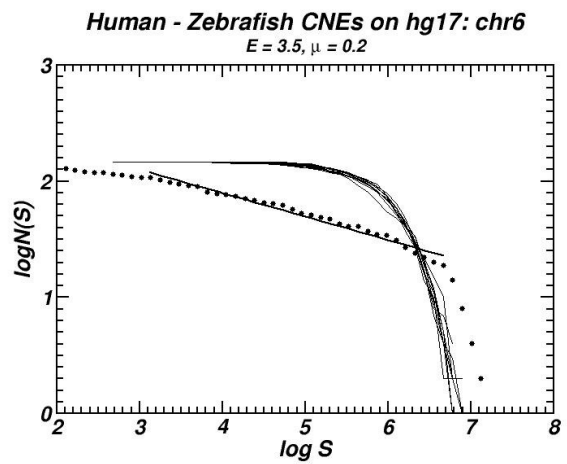
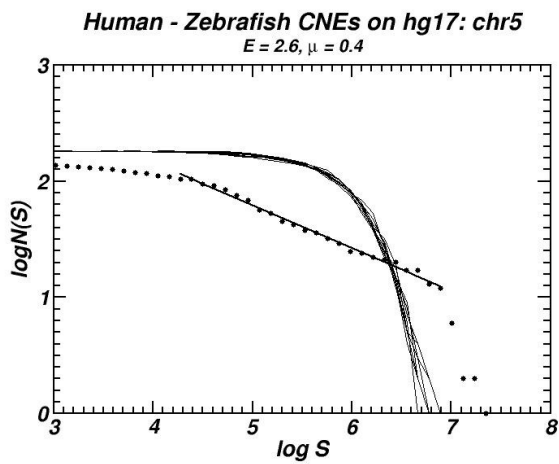
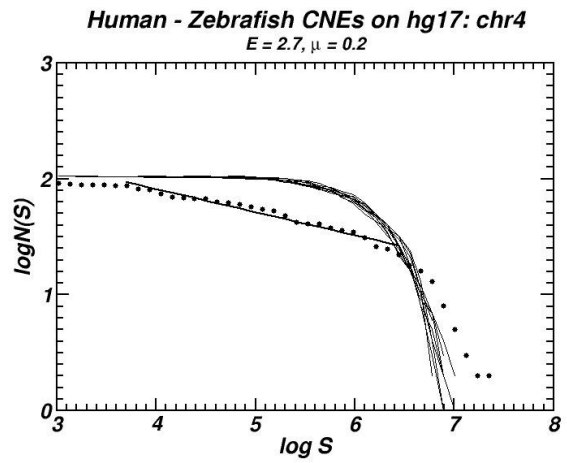
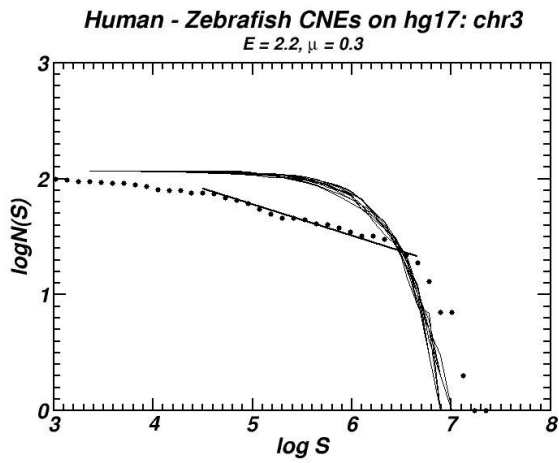
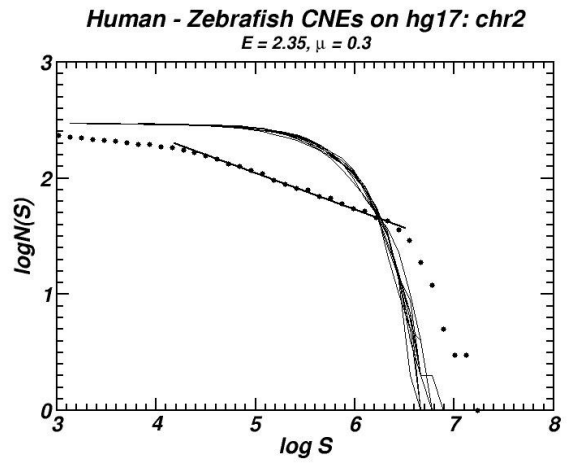
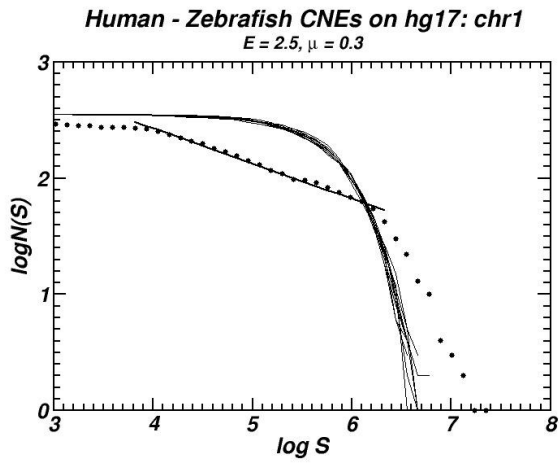




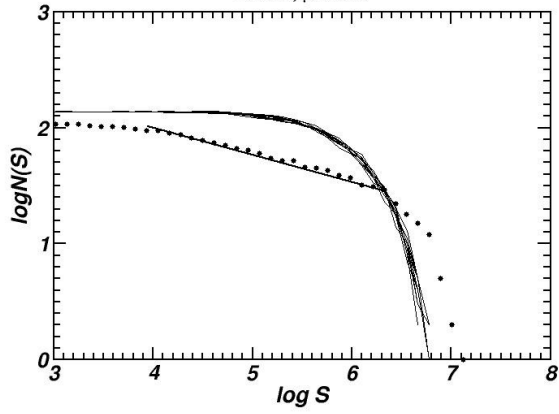
# Worm CNEs (Dataset ix)



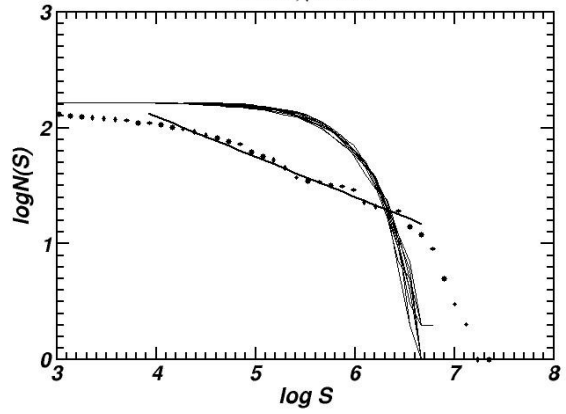
# Human-Zebrafish CNEs (Dataset v)



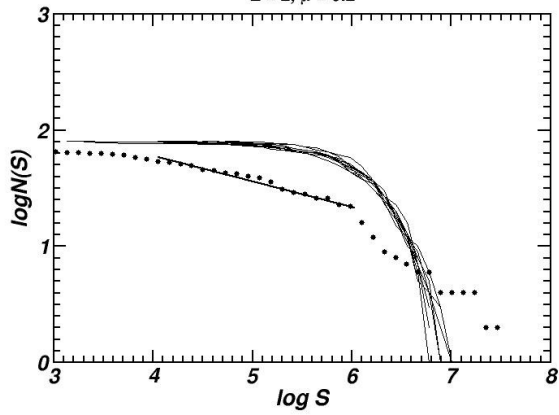
Human - Zebrafish CNEs on hg17: chr7  
 $E = 2.4, \mu = 0.25$



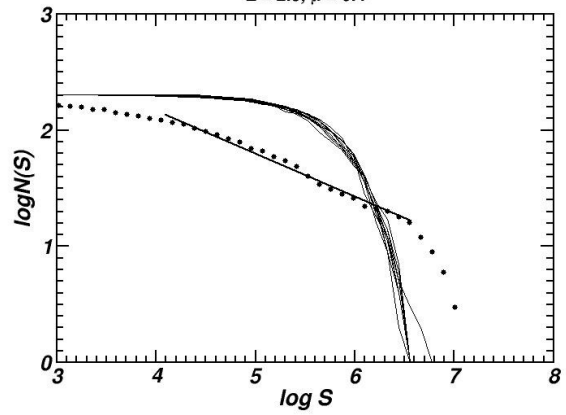
Human - Zebrafish CNEs on hg17: chr8  
 $E = 2.8, \mu = 0.35$



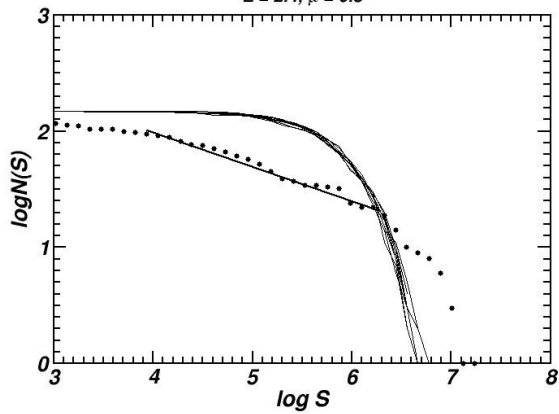
Human - Zebrafish CNEs on hg17: chr9  
 $E = 2, \mu = 0.2$



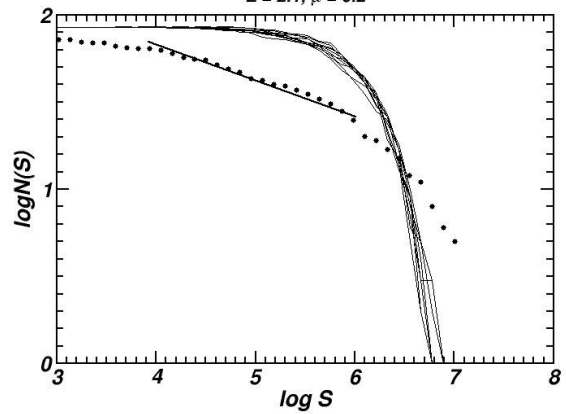
Human - Zebrafish CNEs on hg17: chr10  
 $E = 2.5, \mu = 0.4$



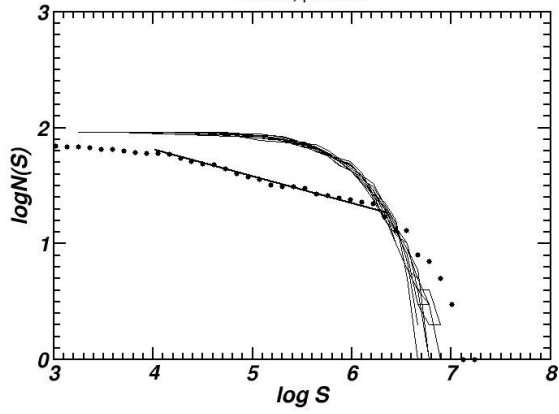
Human - Zebrafish CNEs on hg17: chr11  
 $E = 2.4, \mu = 0.3$



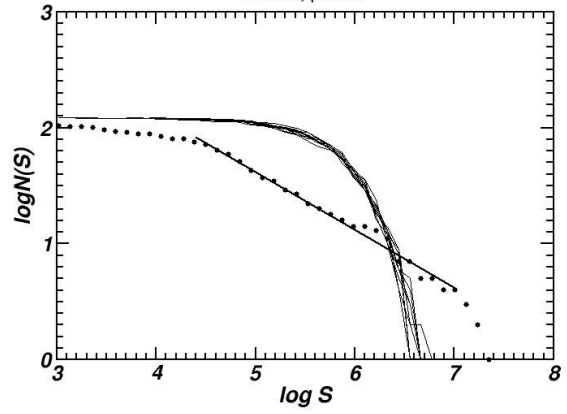
Human - Zebrafish CNEs on hg17: chr12  
 $E = 2.1, \mu = 0.2$



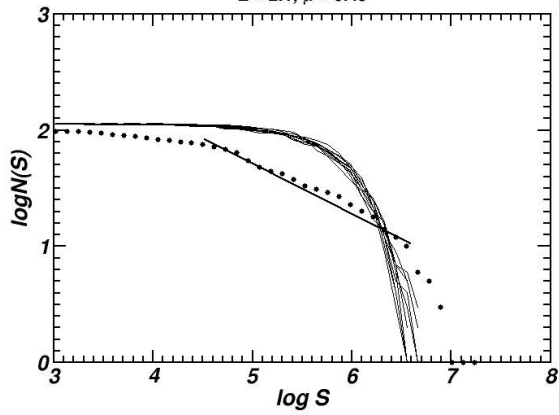
**Human - Zebrafish CNEs on hg17: chr13**  
 $E = 2.4, \mu = 0.25$



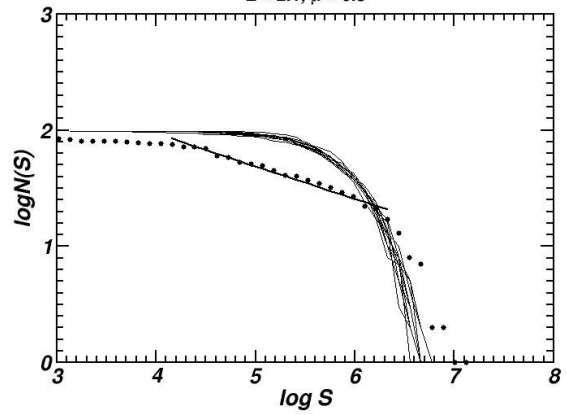
**Human - Zebrafish CNEs on hg17: chr14**  
 $E = 2.6, \mu = 0.5$



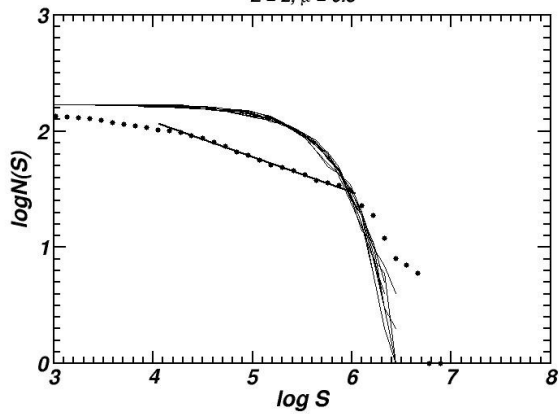
**Human - Zebrafish CNEs on hg17: chr15**  
 $E = 2.1, \mu = 0.45$



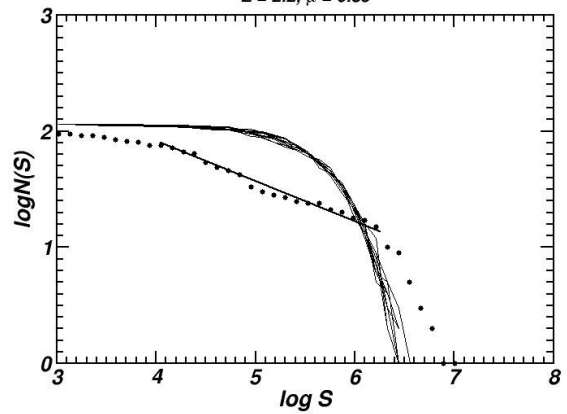
**Human - Zebrafish CNEs on hg17: chr16**  
 $E = 2.1, \mu = 0.3$



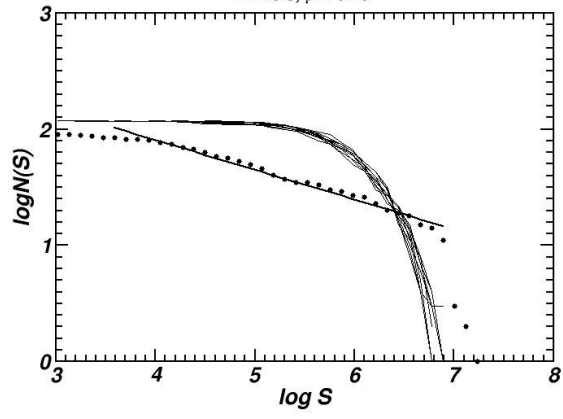
**Human - Zebrafish CNEs on hg17: chr17**  
 $E = 2, \mu = 0.3$



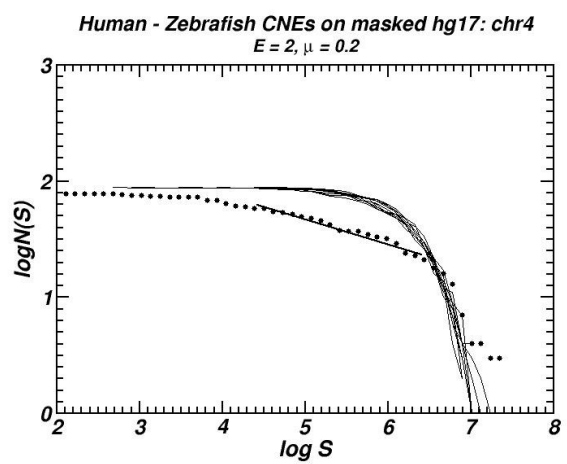
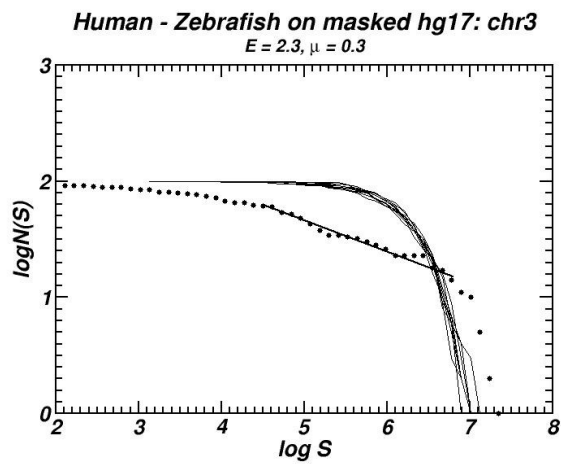
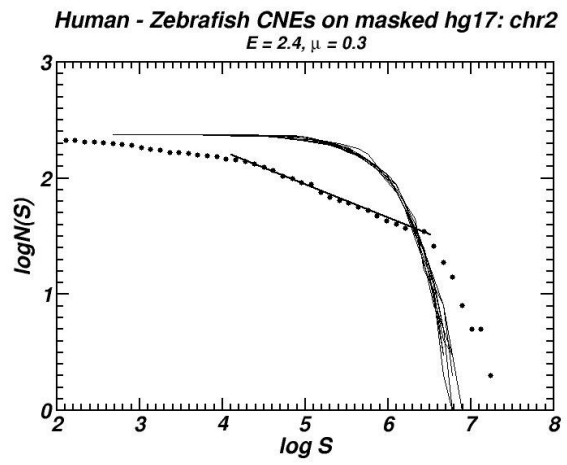
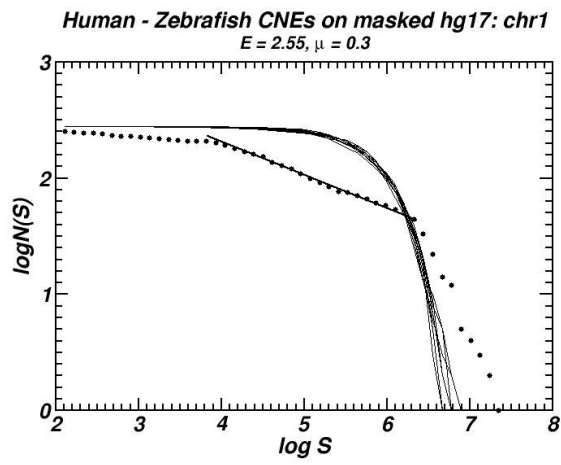
**Human - Zebrafish CNEs on hg17: chr19**  
 $E = 2.2, \mu = 0.35$



Human - Zebrafish CNEs on hg17: chrX  
 $E = 3.3, \mu = 0.25$

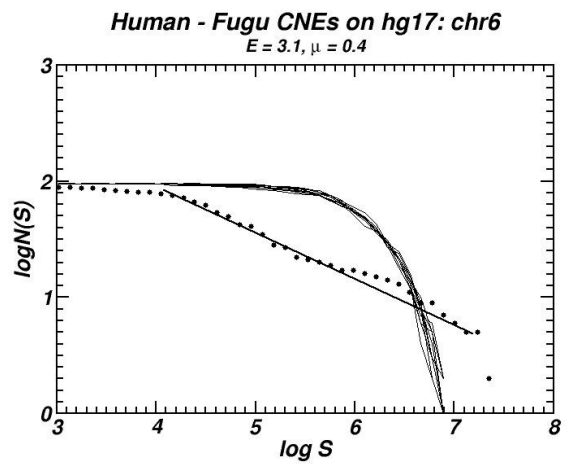
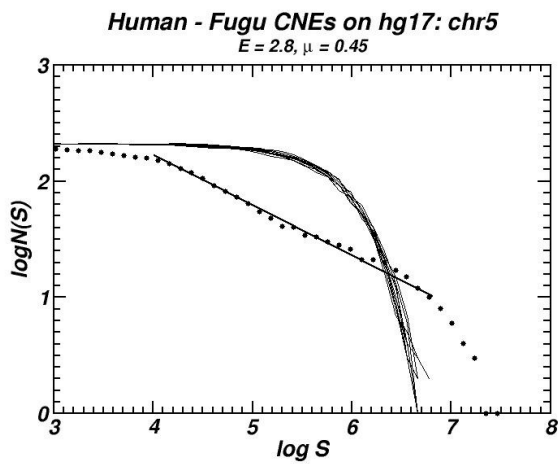
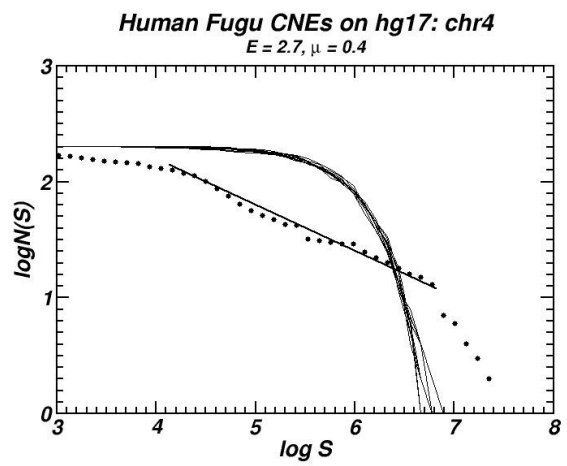
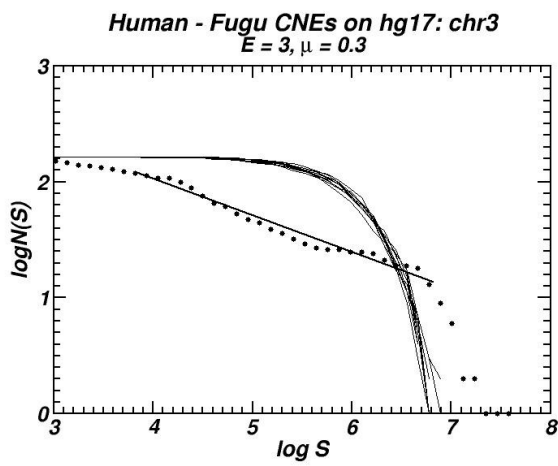
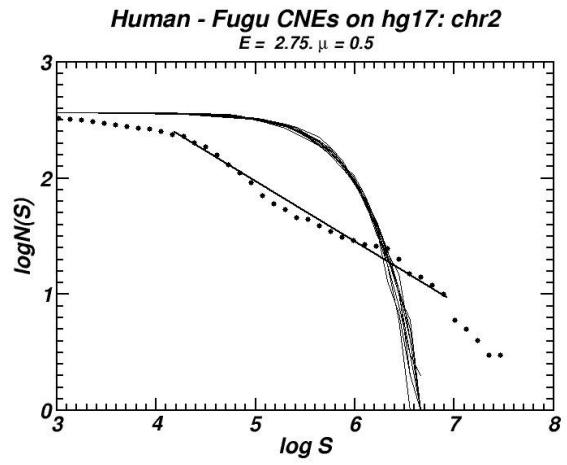
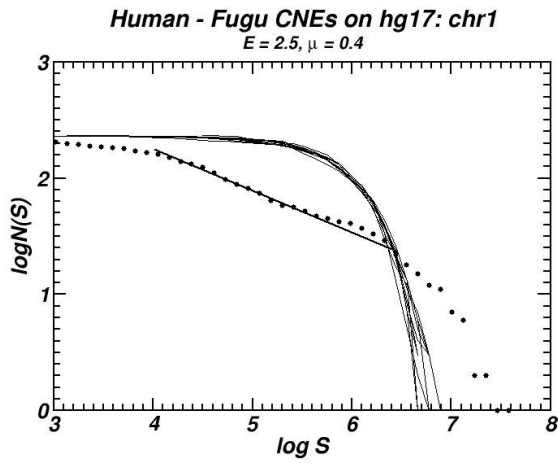


# Human-Zebrafish CNEs on gene-masked genome

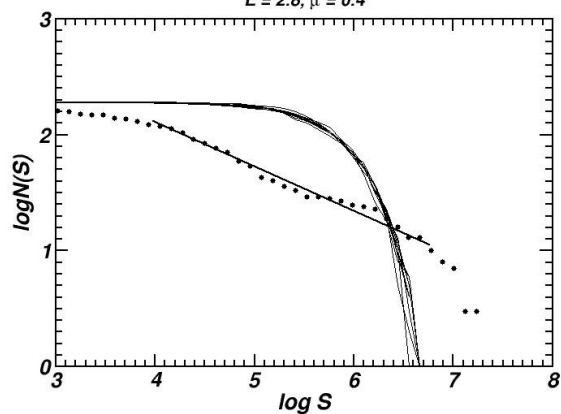




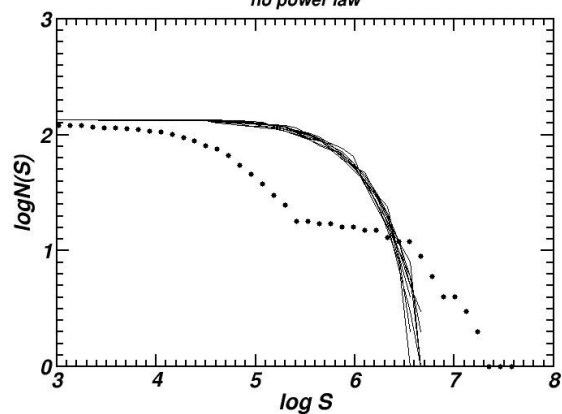
# Human-Fugu CNEs (Dataset iv)



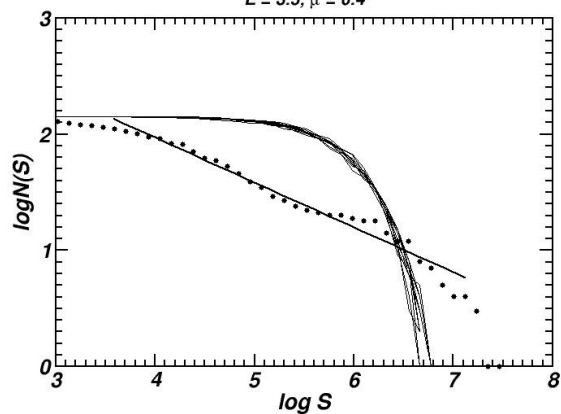
**Human - Fugu CNEs on hg17: chr7**  
 $E = 2.8, \mu = 0.4$



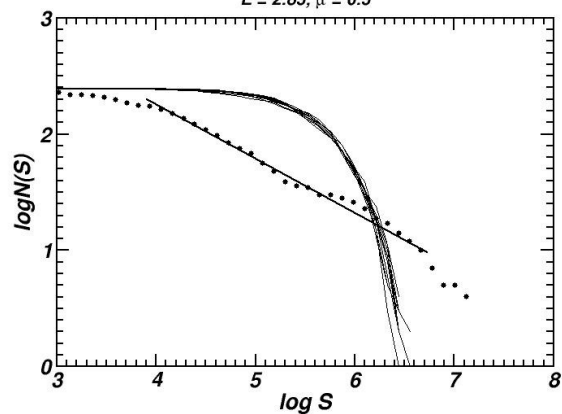
**Human - Fugu CNEs on hg17: chr8**  
no power law



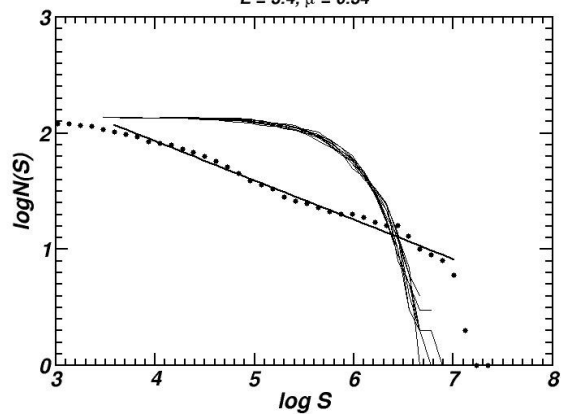
**Human - Fugu CNEs on hg17: chr9**  
 $E = 3.5, \mu = 0.4$



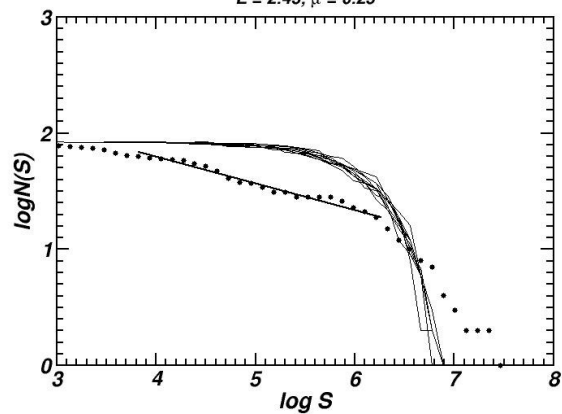
**Human - Fugu CNEs on hg17: chr10**  
 $E = 2.85, \mu = 0.5$

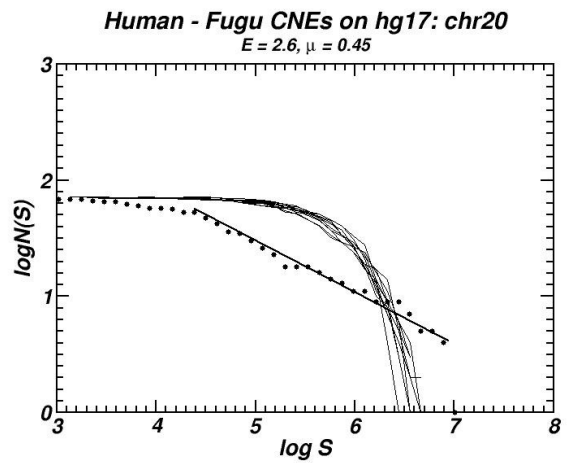
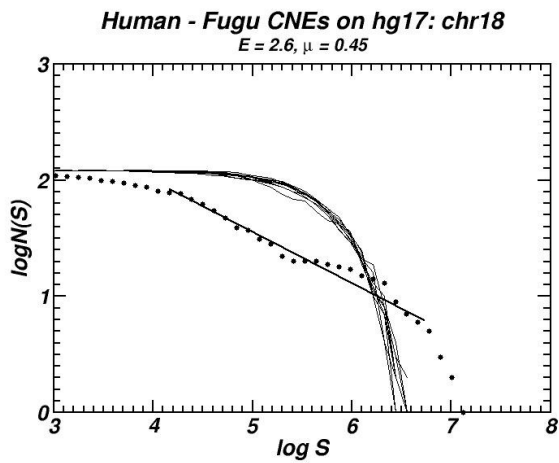
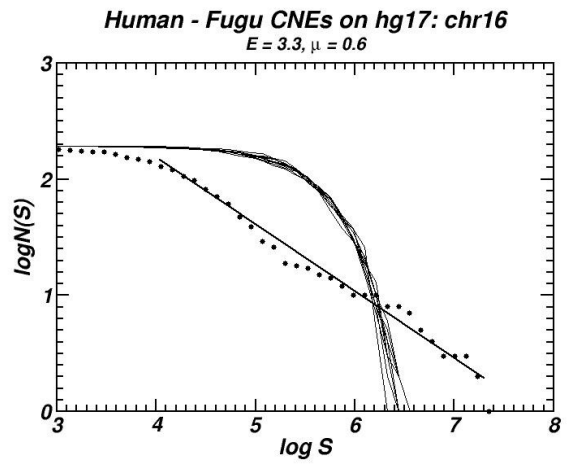
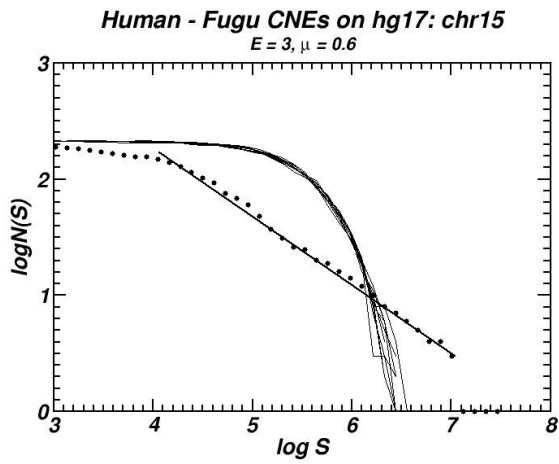
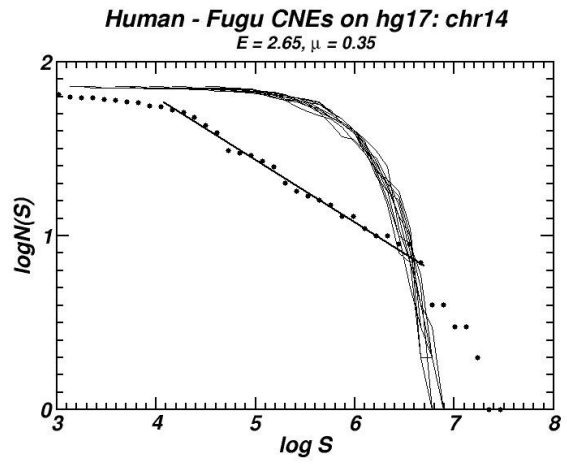
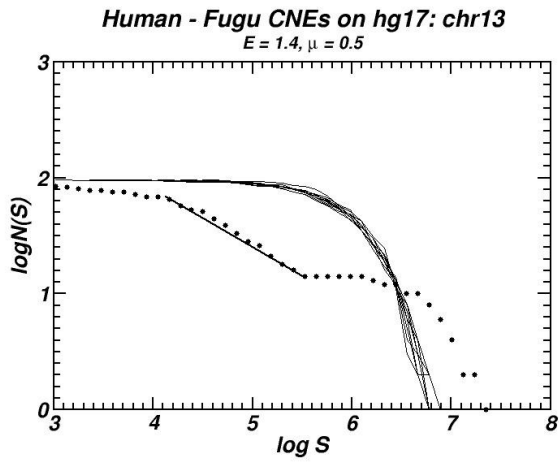


**Human - Fugu CNEs on hg17: chr11**  
 $E = 3.4, \mu = 0.34$

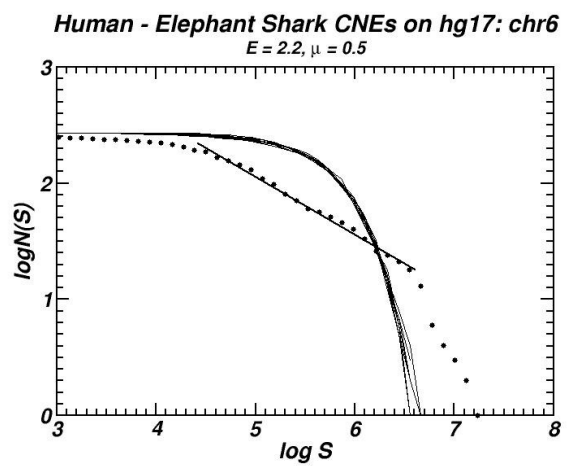
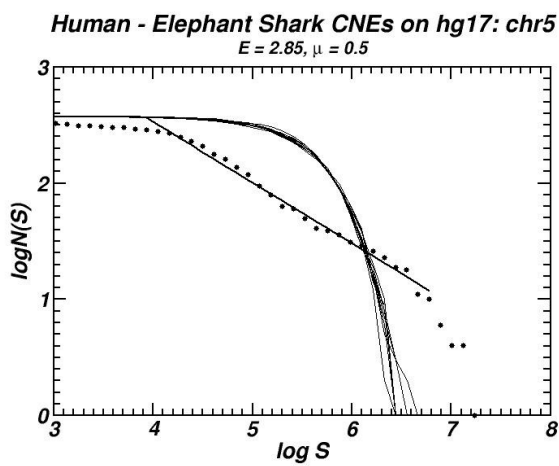
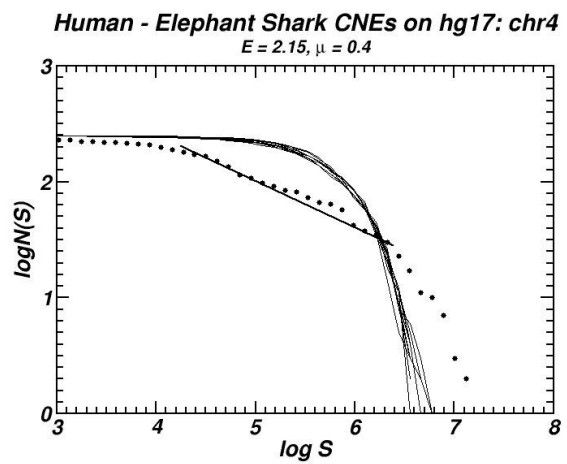
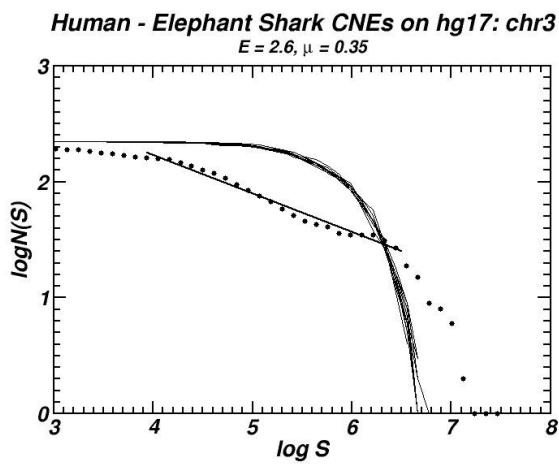
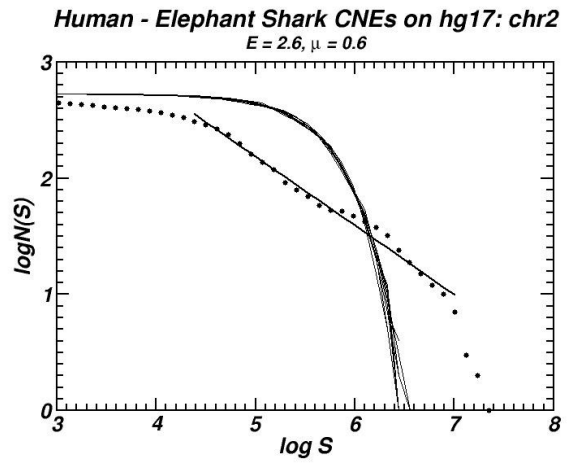
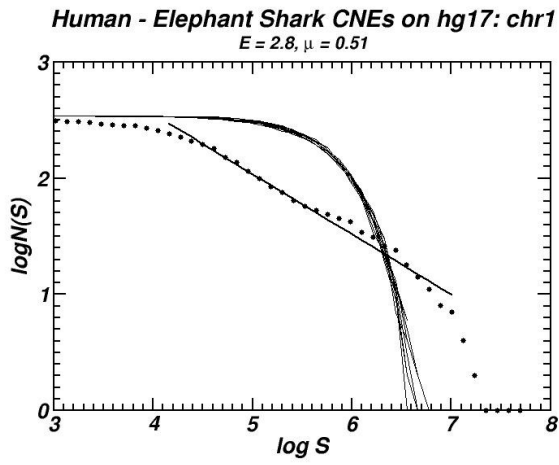


**Human - Fugu CNEs on hg17: chr12**  
 $E = 2.45, \mu = 0.25$

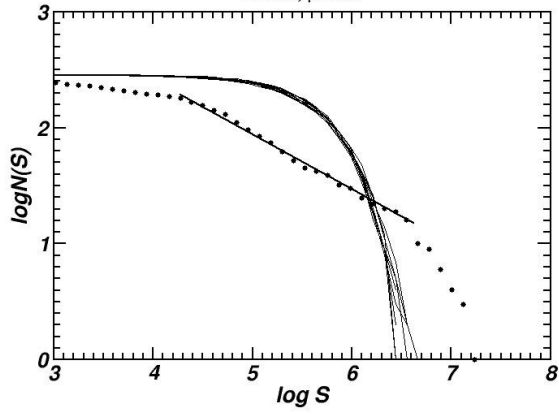




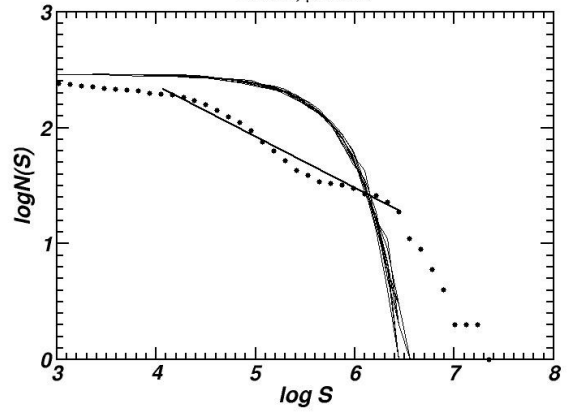
# Human-Elephant Shark CNEs (Dataset vi)



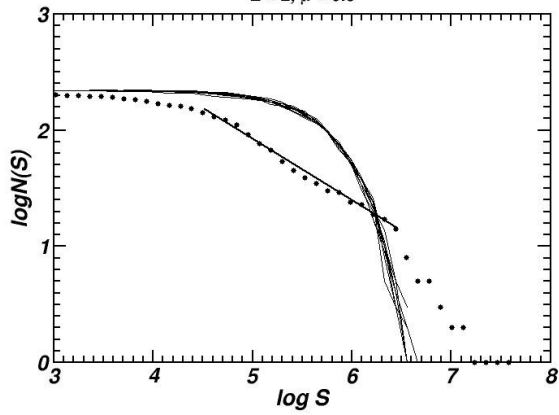
**Human - Elephant Shark CNEs on hg17: chr7**  
 $E = 2.4, \mu = 0.5$



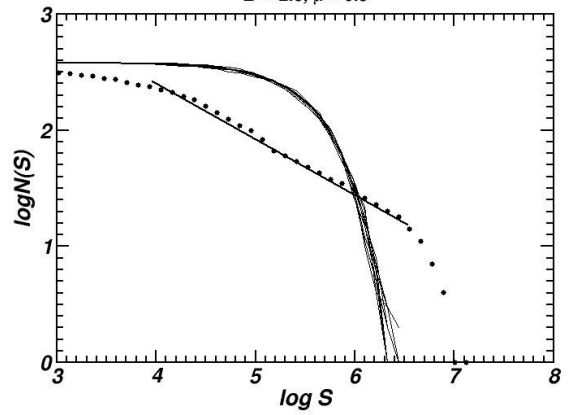
**Human - Elephant Shark CNEs on hg17: chr8**  
 $E = 2.4, \mu = 0.45$



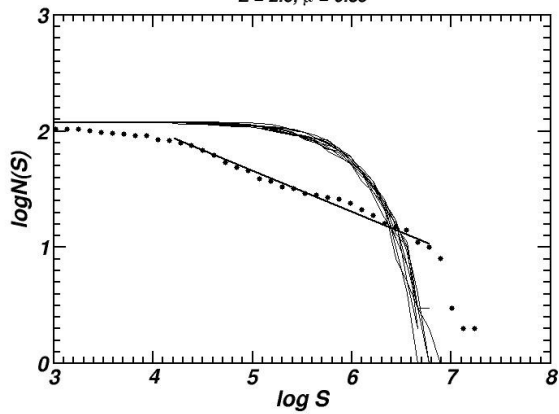
**Human - Elephant Shark CNEs on hg17: chr9**  
 $E = 2, \mu = 0.5$



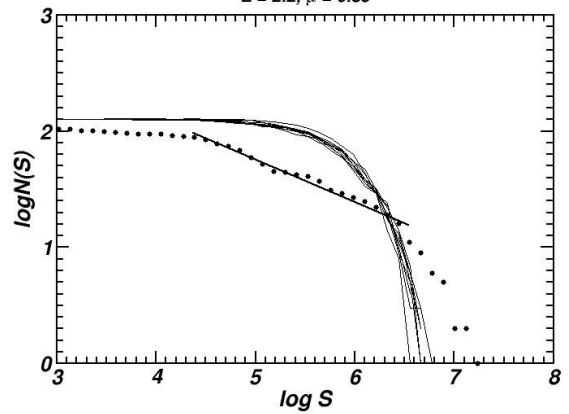
**Human - Elephant Shark CNEs on hg17: chr10**  
 $E = 2.6, \mu = 0.5$



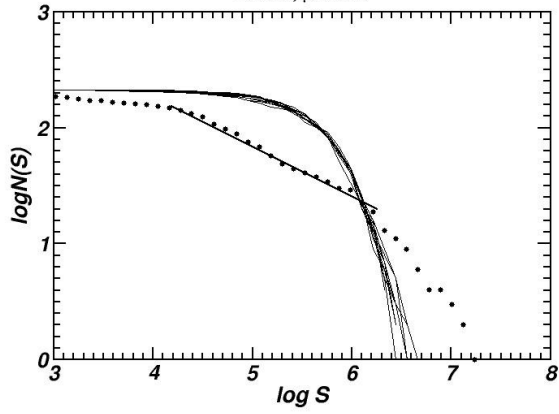
**Human - Elephant Shark CNEs on hg17: chr11**  
 $E = 2.6, \mu = 0.35$



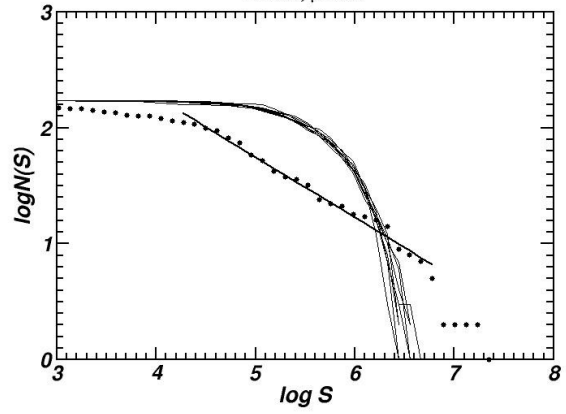
**Human - Elephant Shark CNEs on hg17: chr12**  
 $E = 2.2, \mu = 0.35$



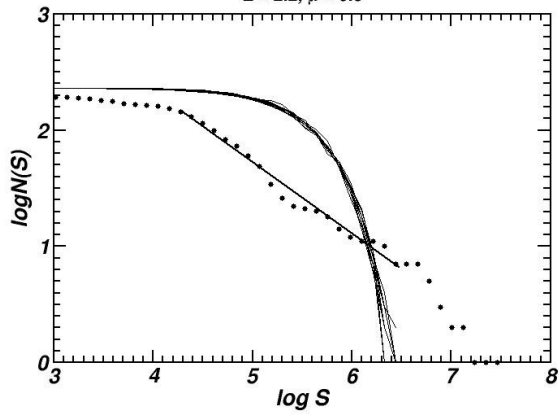
**Human - Elephant Shark CNEs on hg17: chr13**  
 $E = 2.1, \mu = 0.45$



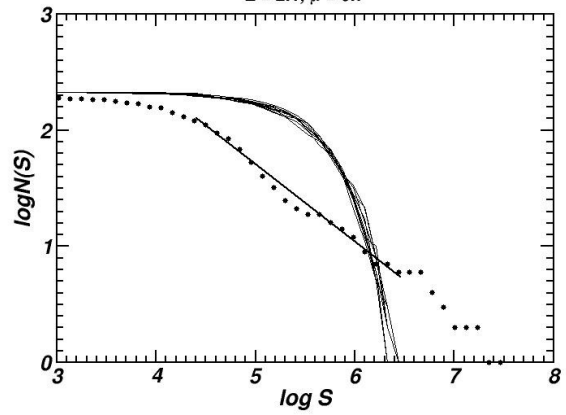
**Human - Elephant Shark CNEs on hg17: chr14**  
 $E = 2.5, \mu = 0.5$



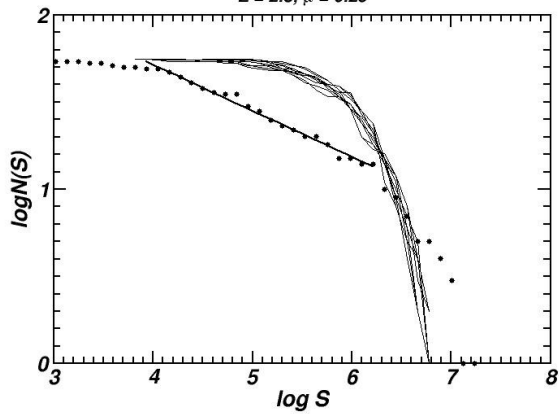
**Human - Elephant Shark CNEs on hg17: chr15**  
 $E = 2.2, \mu = 0.6$



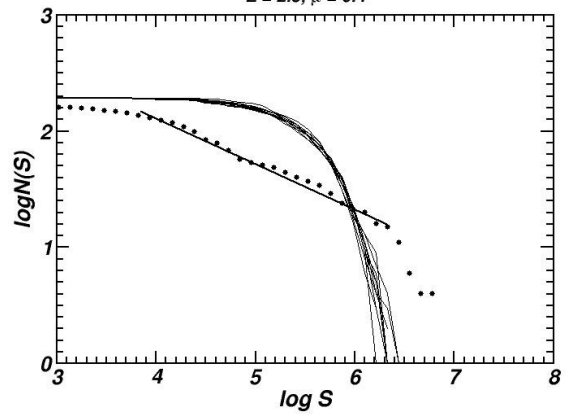
**Human - Elephant Shark CNEs on hg17: chr16**  
 $E = 2.1, \mu = 0.7$



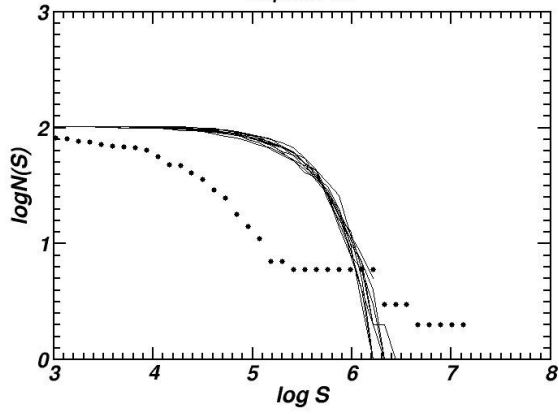
**Human - Elephant Shark CNEs on hg17: chr17**  
 $E = 2.3, \mu = 0.25$



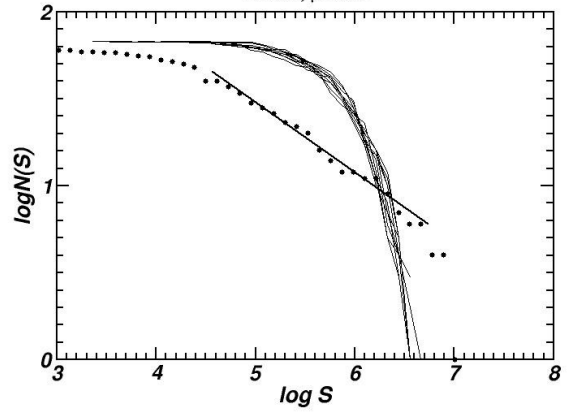
**Human - Elephant Shark CNEs on hg17: chr18**  
 $E = 2.5, \mu = 0.4$



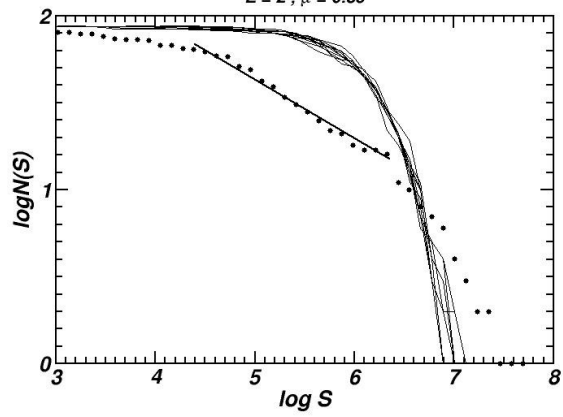
Human - Elephant Shark CNEs on hg17: chr19  
no power law



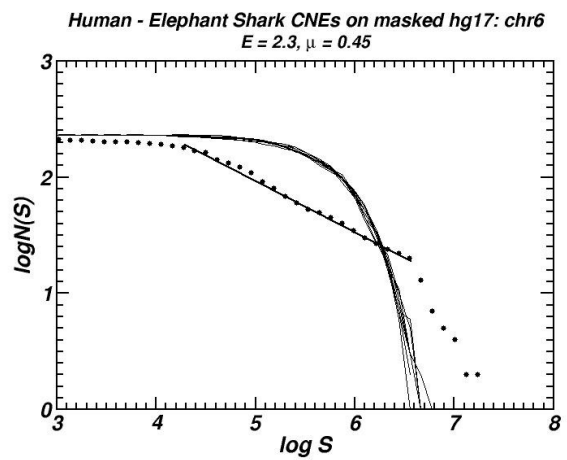
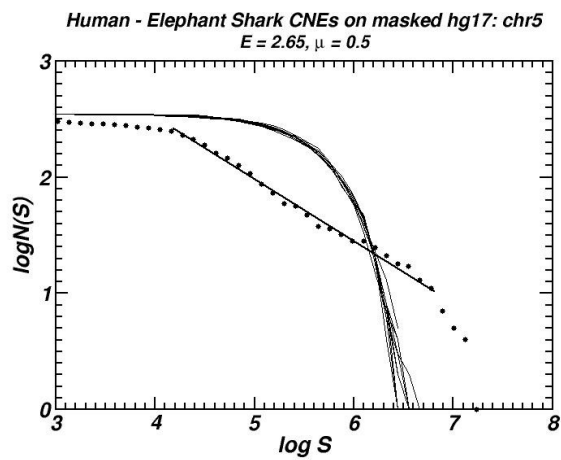
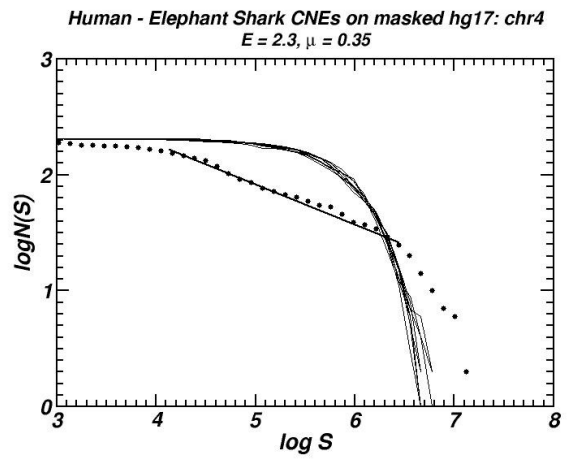
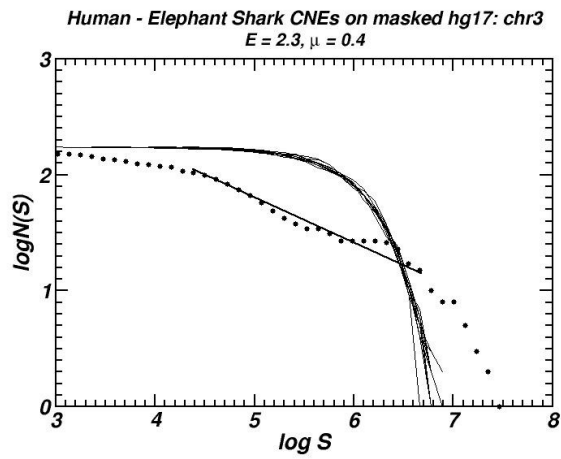
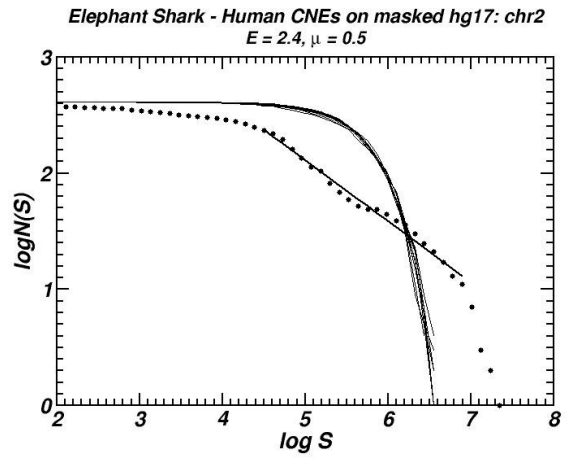
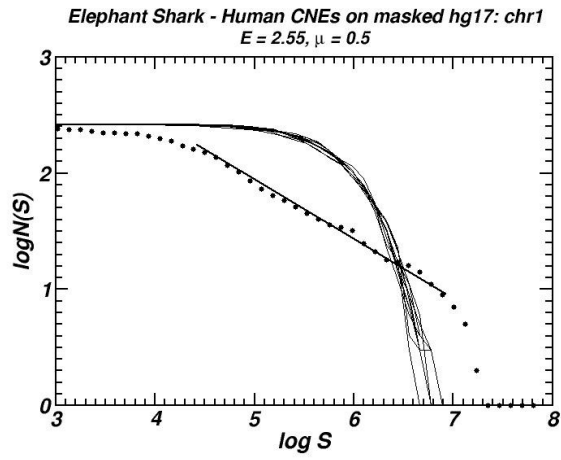
Human - Elephant Shark CNEs on hg17: chr20  
 $E = 2.2, \mu = 0.4$



Human - Elephant Shark CNEs on hg17: chrX  
 $E = 2, \mu = 0.35$

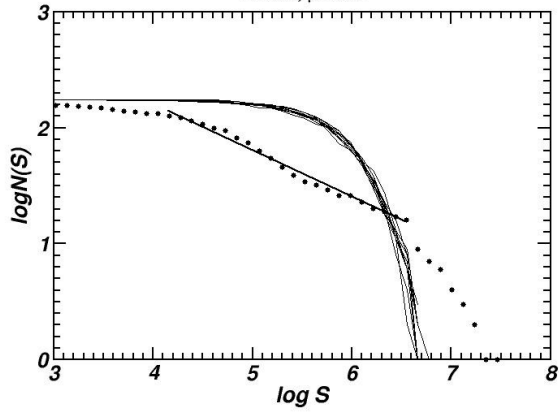


# Human-Elephant Shark CNEs on gene-masked genome

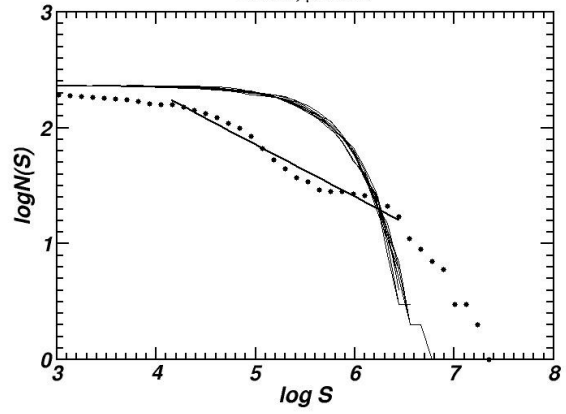




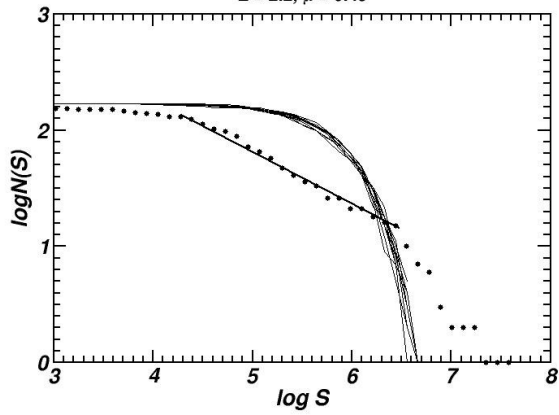
Human - Elephant Shark CNEs on masked hg17: chr7  
 $E = 2.4, \mu = 0.4$



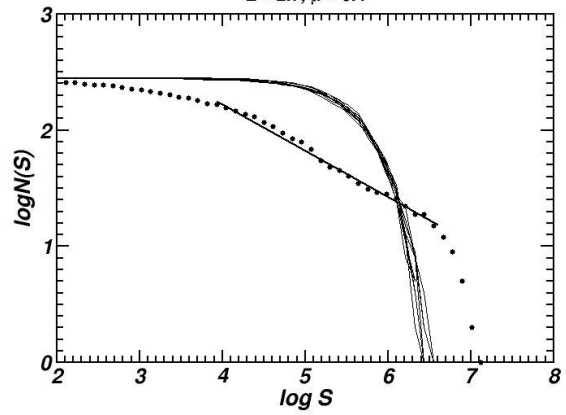
Human - Elephant Shark CNEs on masked hg17: chr8  
 $E = 2.3, \mu = 0.45$



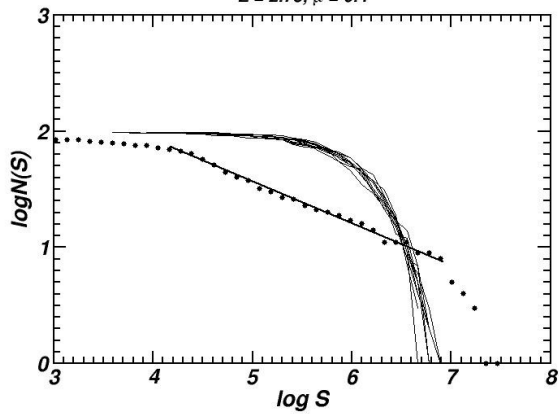
Human - Elephant Shark CNEs on masked hg17: chr9  
 $E = 2.2, \mu = 0.45$



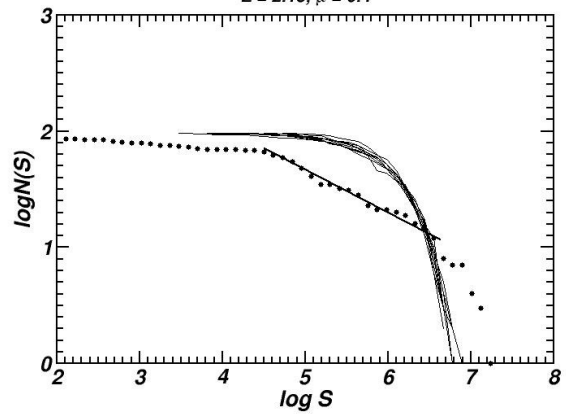
Human - Elephant Shark CNEs on masked hg17: chr10  
 $E = 2.7, \mu = 0.4$



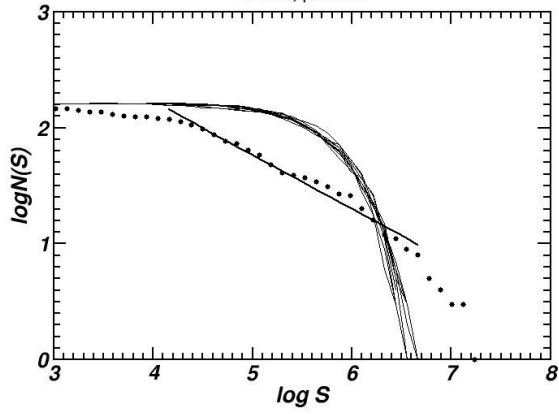
Human - Elephant Shark CNEs on masked hg17: chr11  
 $E = 2.75, \mu = 0.4$



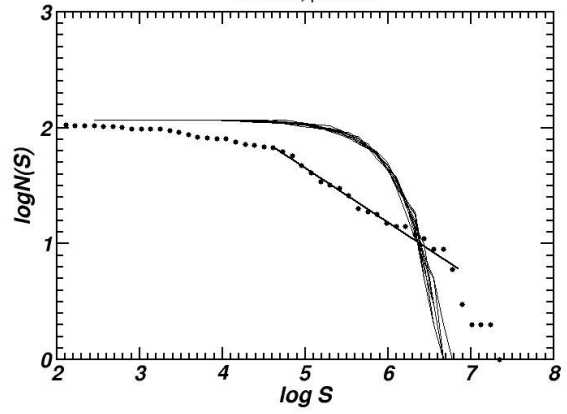
Human - Elephant Shark CNEs on masked hg17: chr12  
 $E = 2.15, \mu = 0.4$



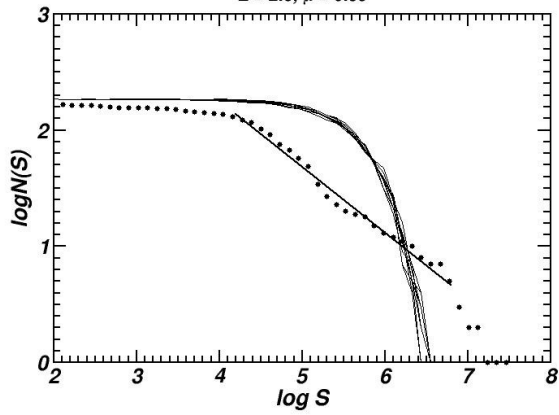
Human - Elephant Shark CNEs on masked hg17: chr13  
 $E = 2.5, \mu = 0.46$



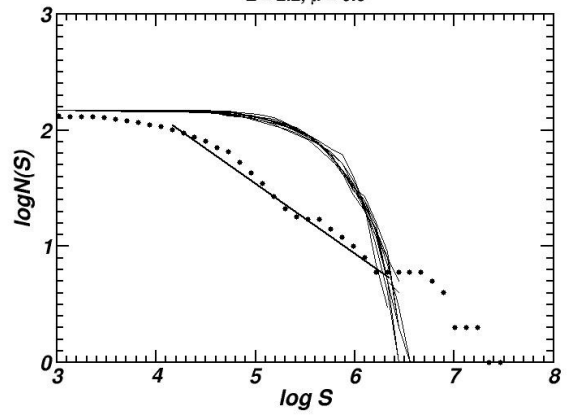
Human - Elephant Shark CNEs on masked hg17: chr14  
 $E = 2.25, \mu = 0.45$



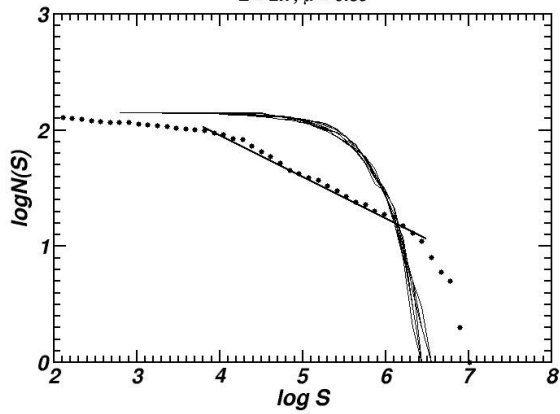
Human - Elephant Shark CNEs on masked hg17: chr 15  
 $E = 2.6, \mu = 0.55$



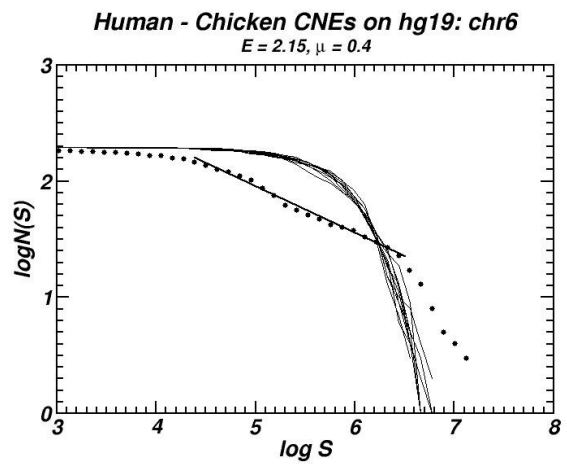
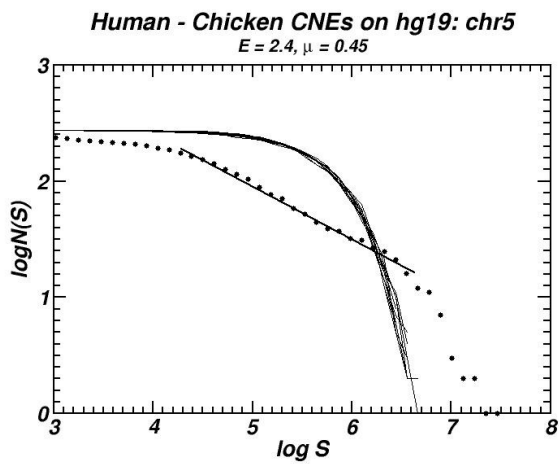
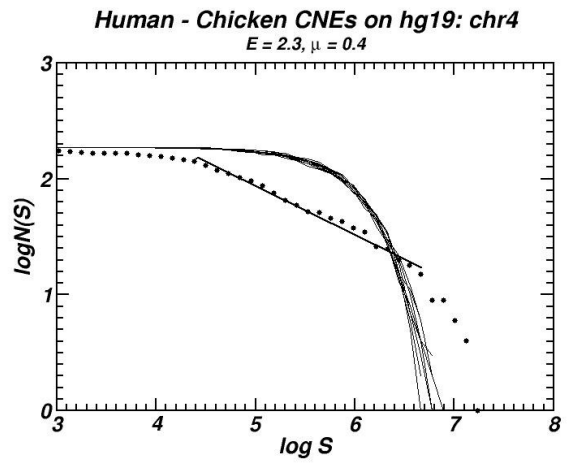
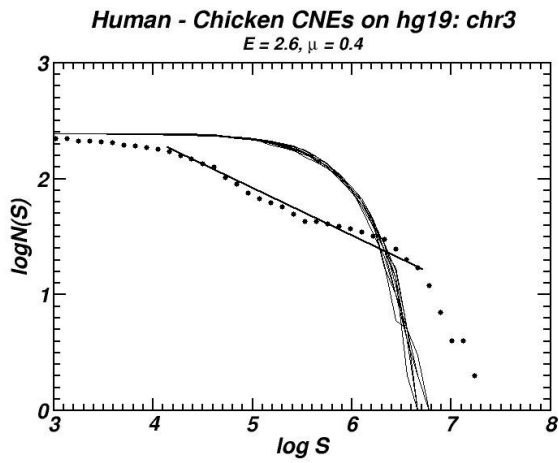
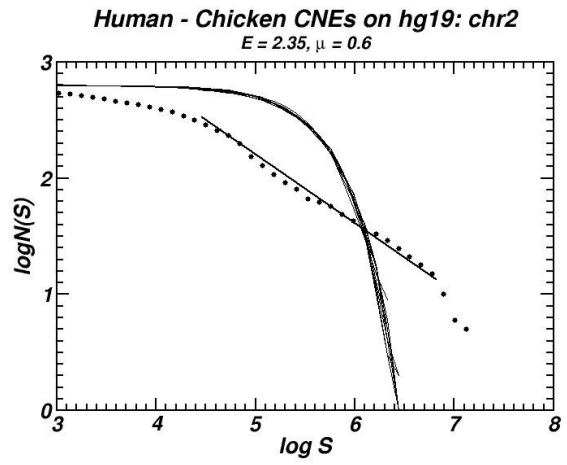
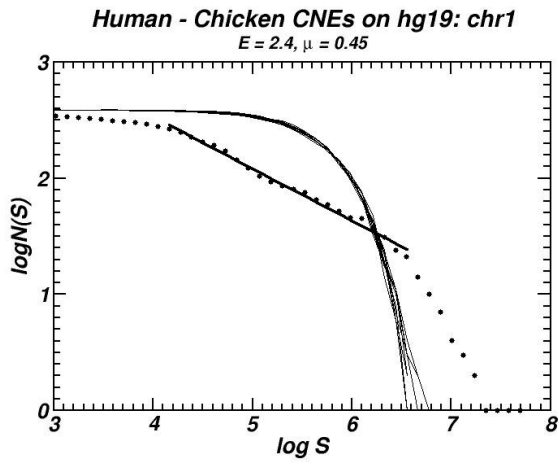
Human - Elephant Shark CNEs on masked hg17: chr16  
 $E = 2.2, \mu = 0.6$

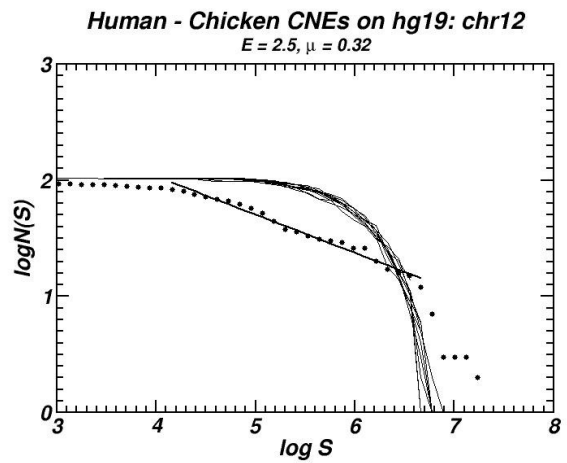
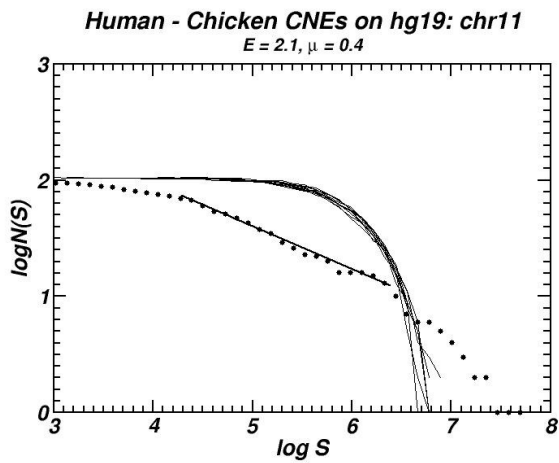
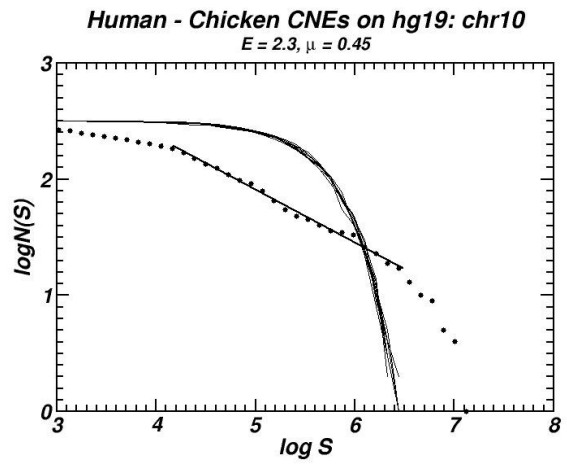
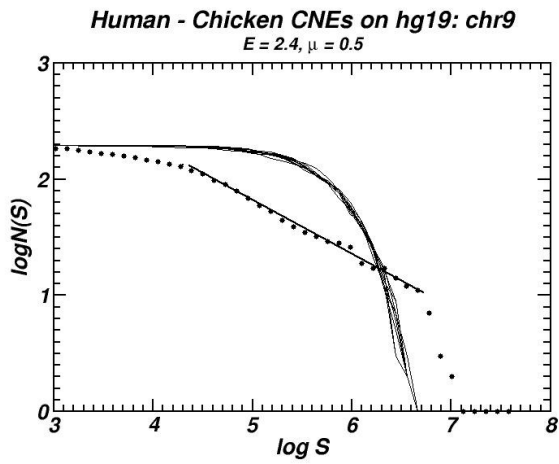
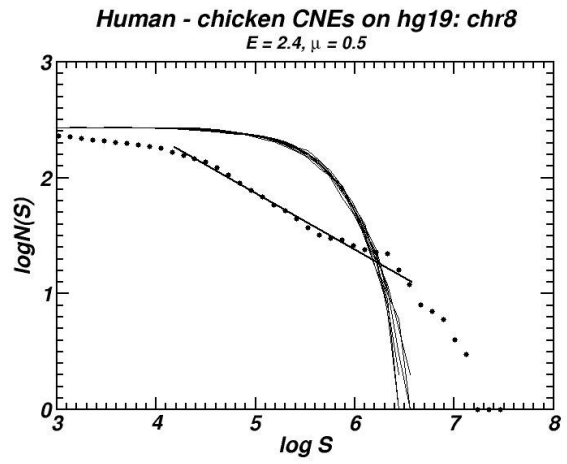
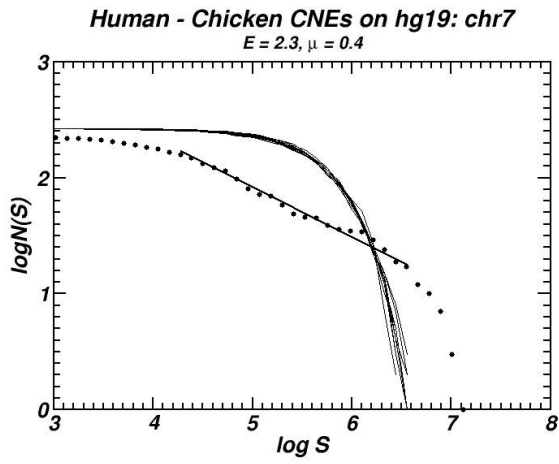


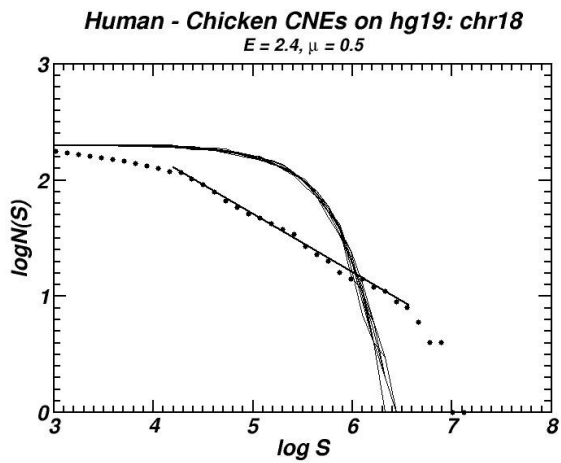
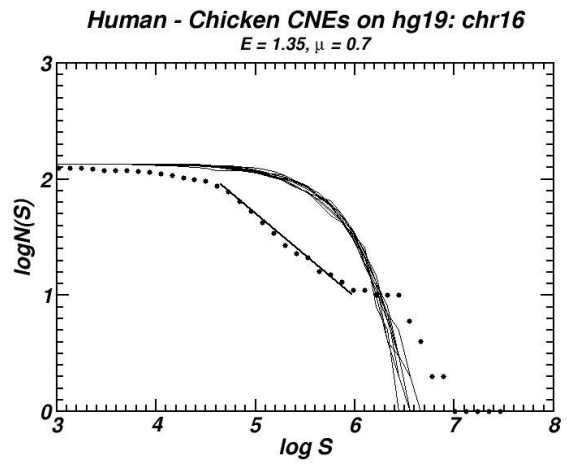
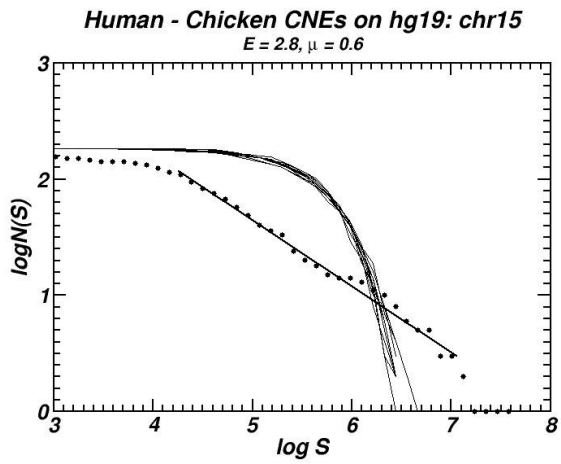
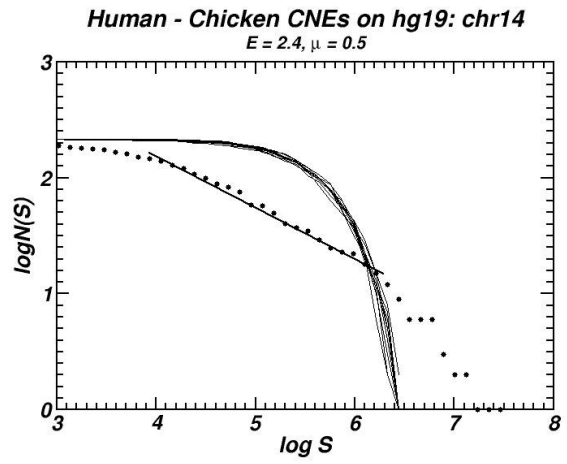
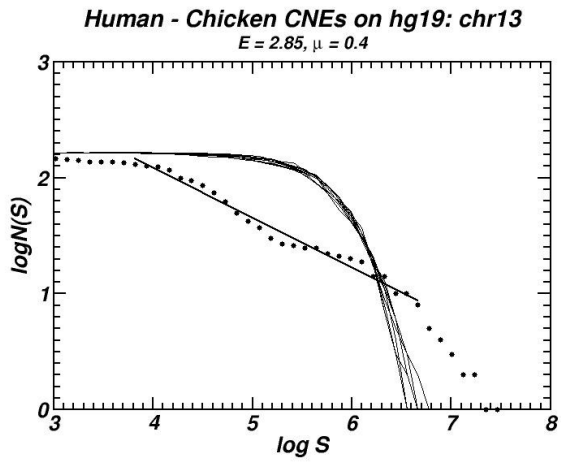
Human - Elephant Shark CNEs on masked hg17: chr18  
 $E = 2.7, \mu = 0.35$



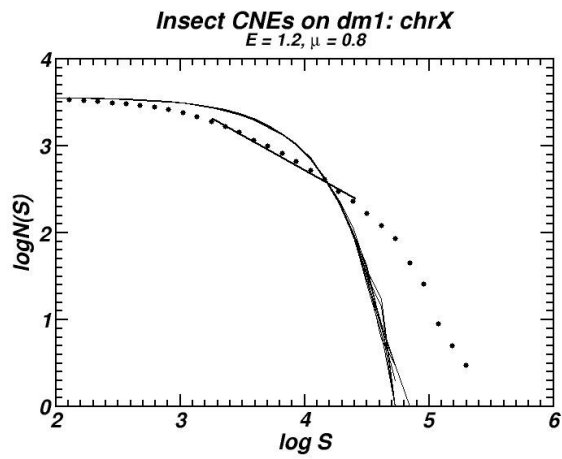
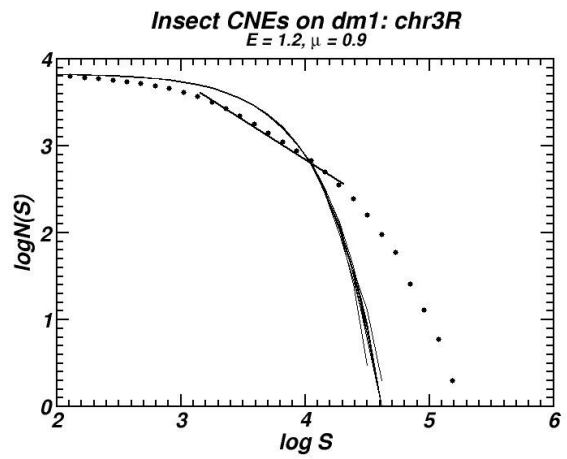
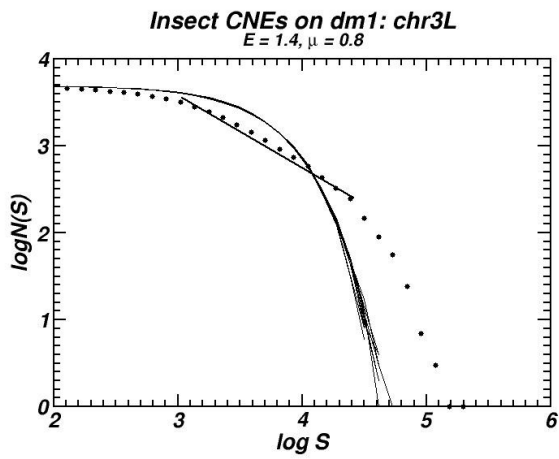
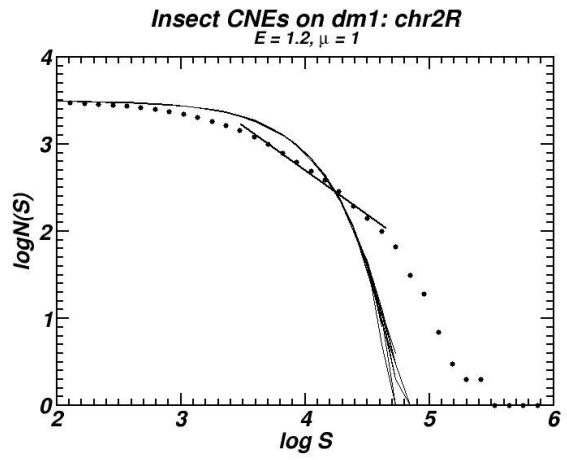
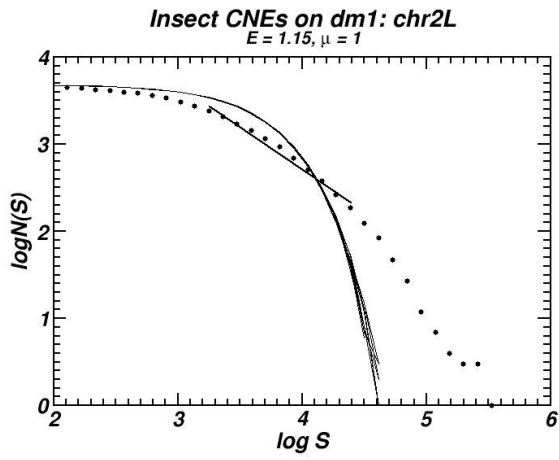
# Human-Chicken UCNEs (Dataset iii)



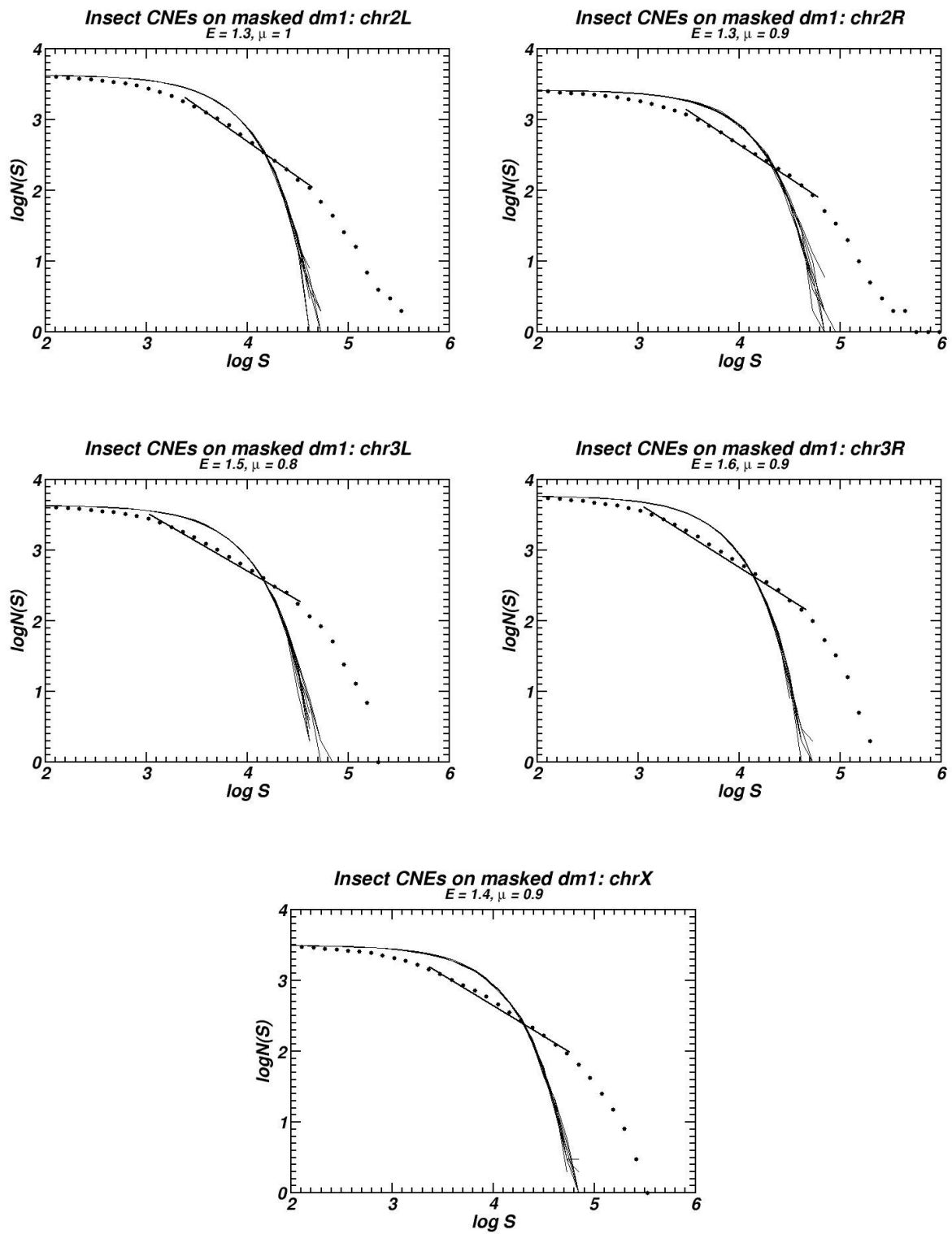




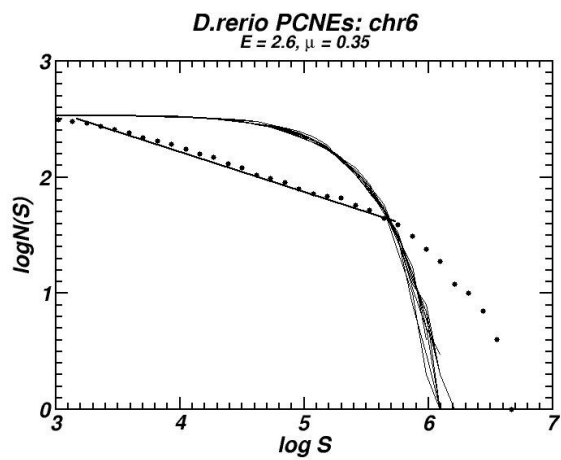
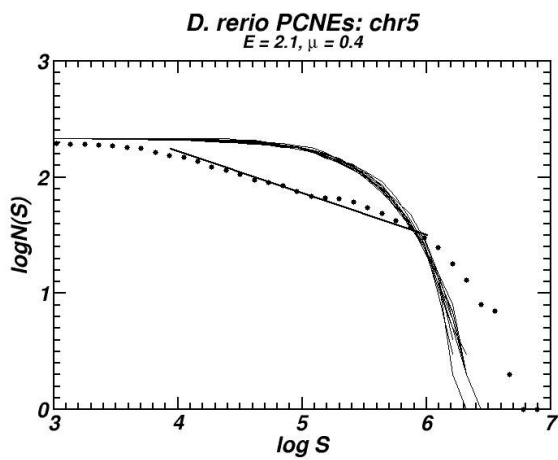
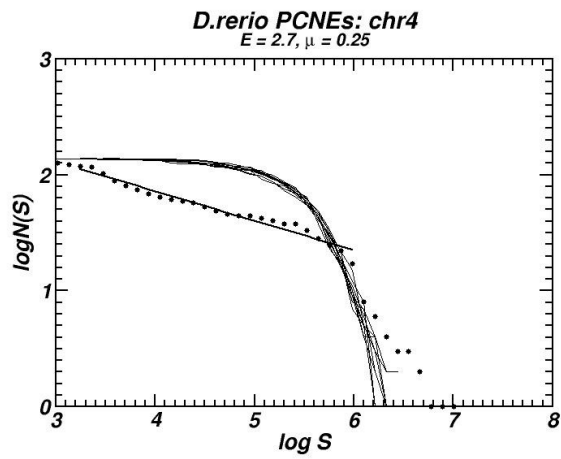
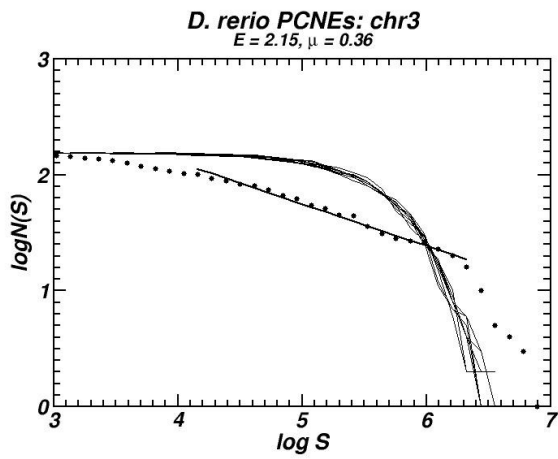
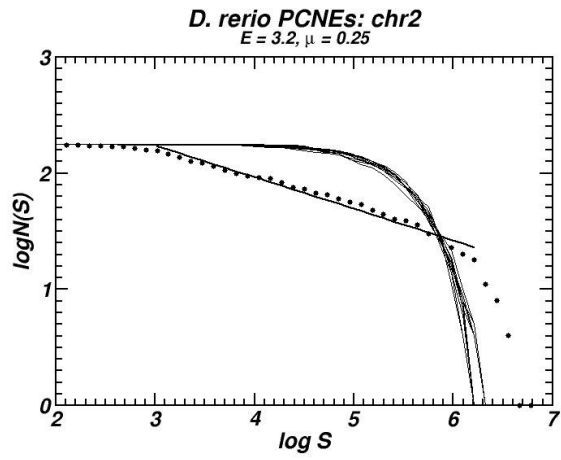
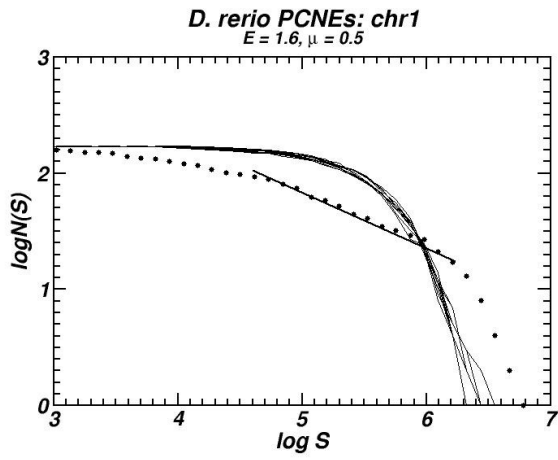
# Insect CNEs (Dataset viii)



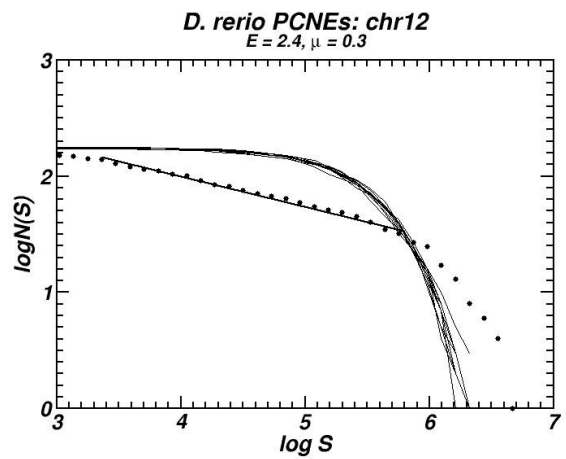
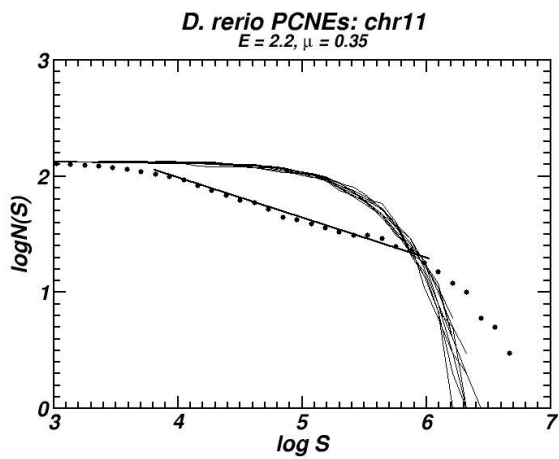
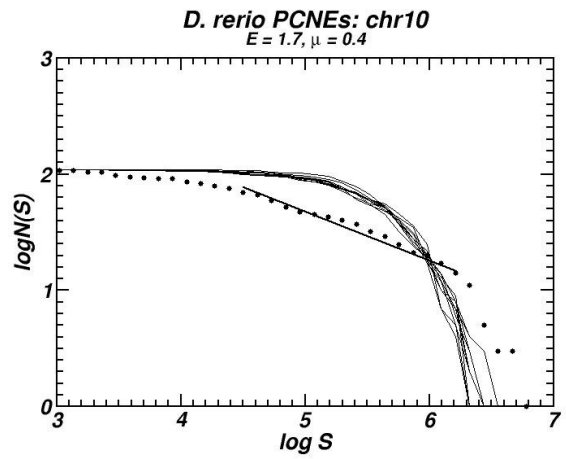
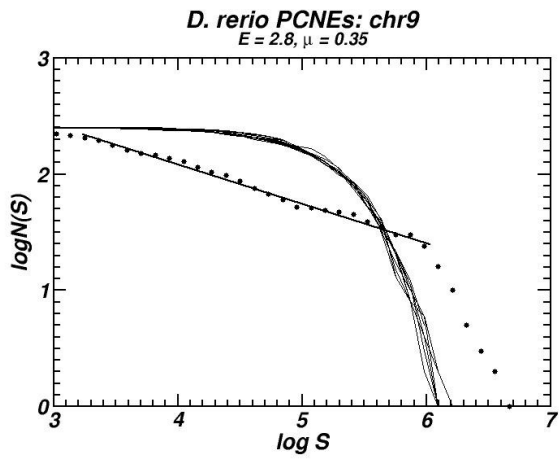
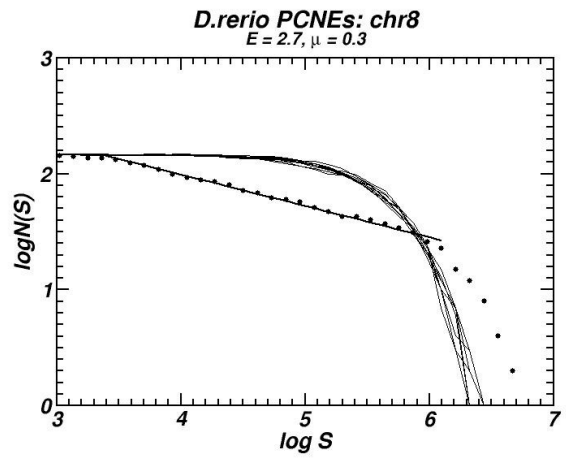
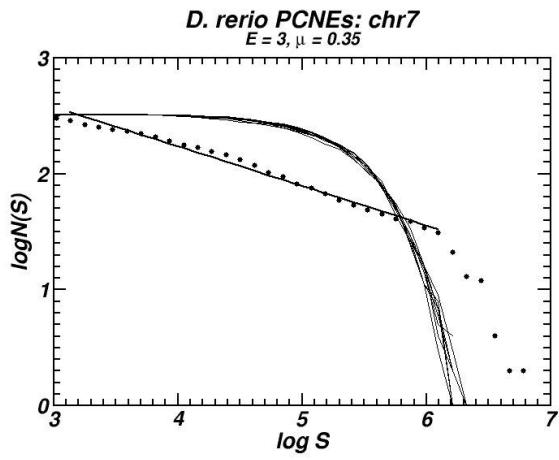
# Insect CNEs on gene-masked genome

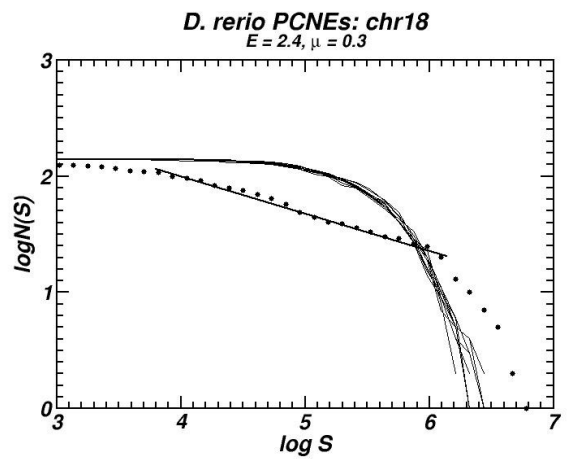
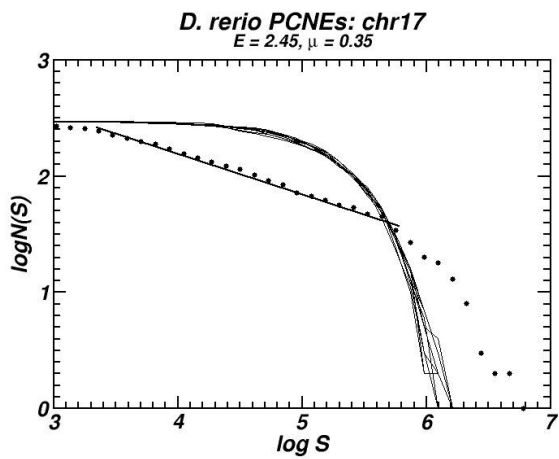
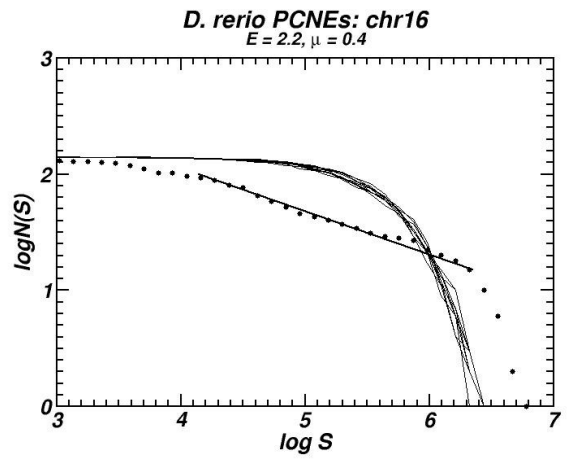
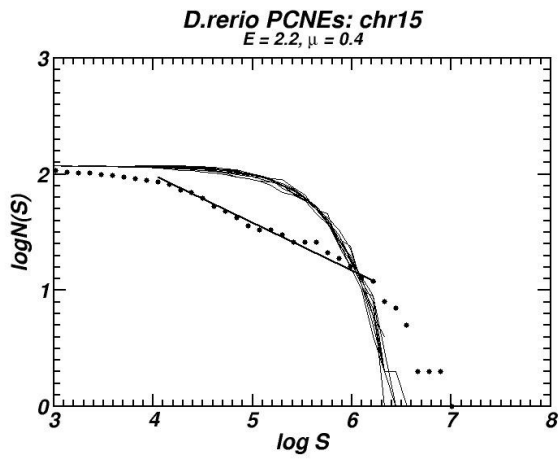
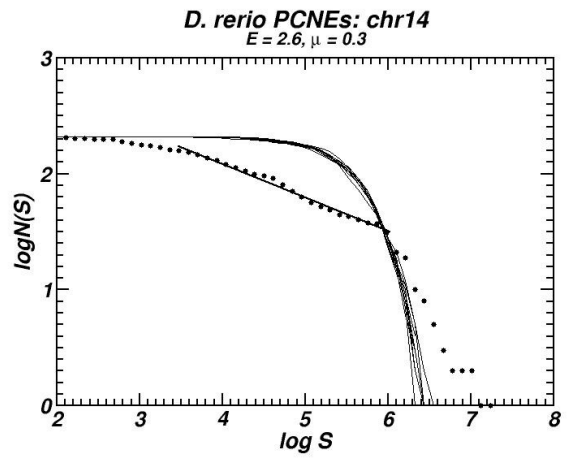
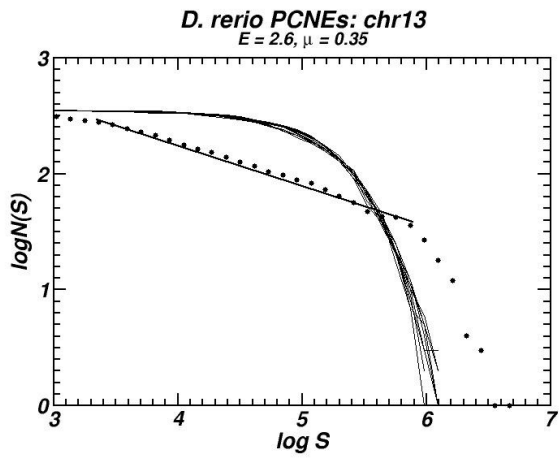


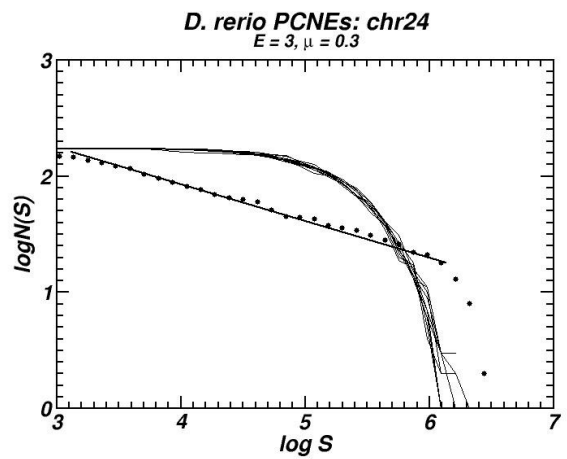
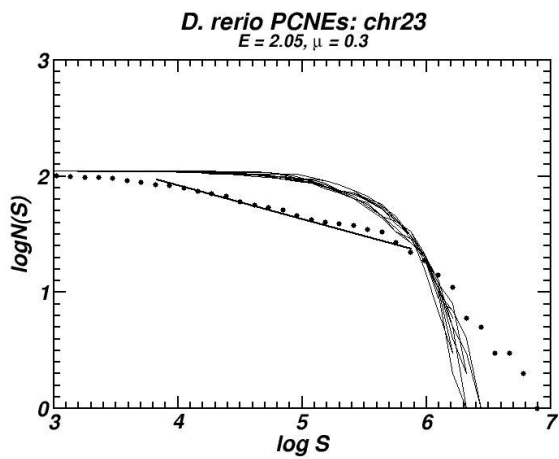
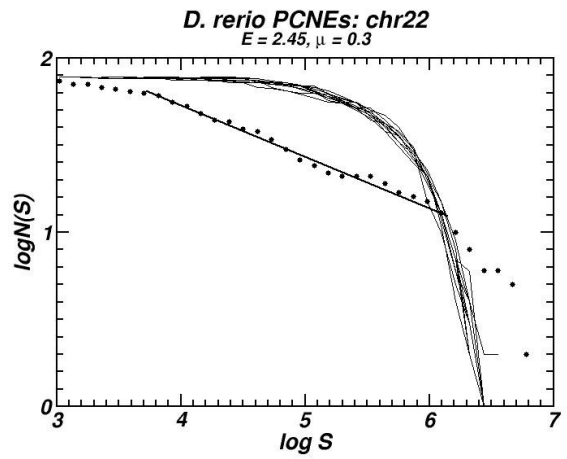
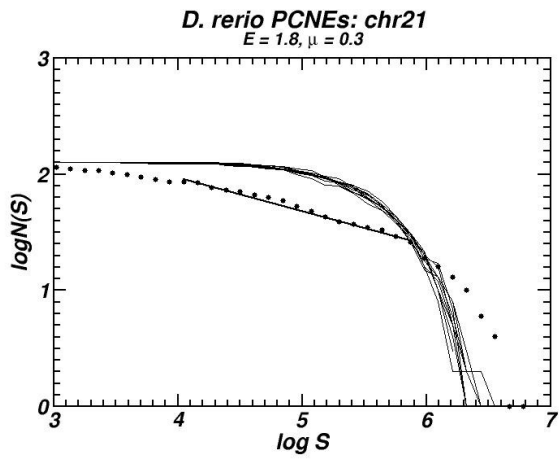
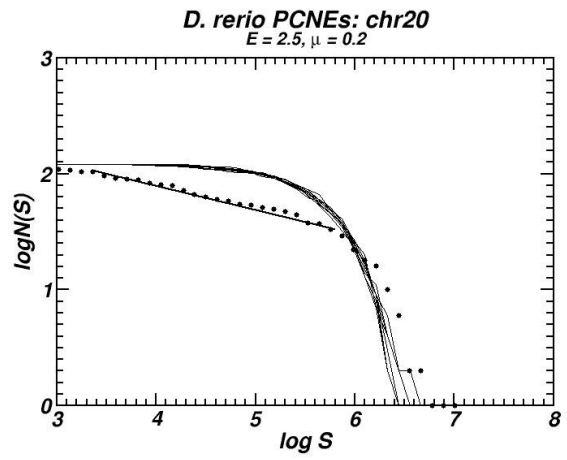
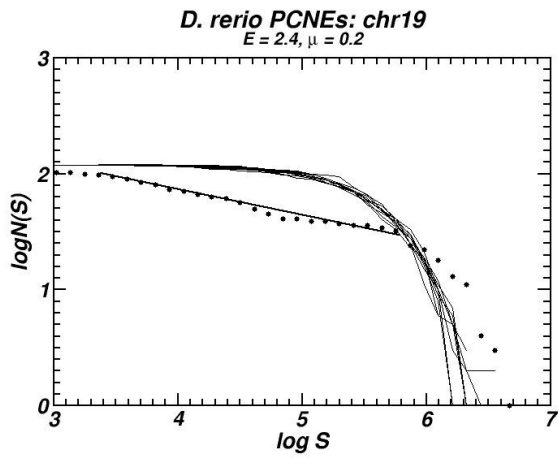
# *D. rerio* PCNEs (Dataset vii)



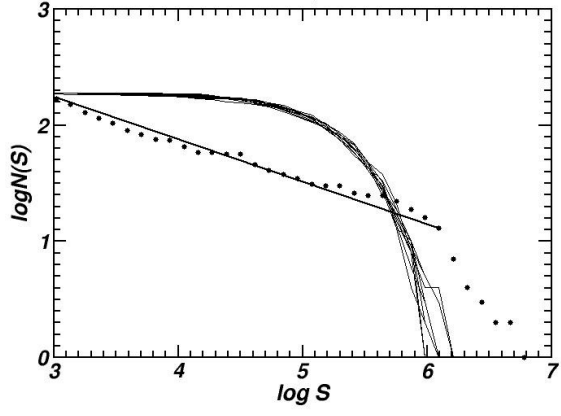




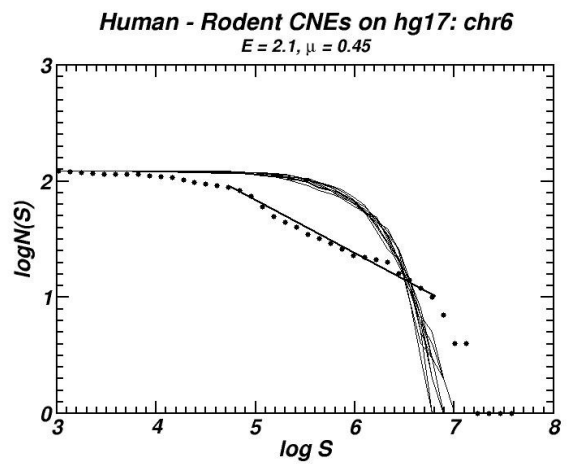
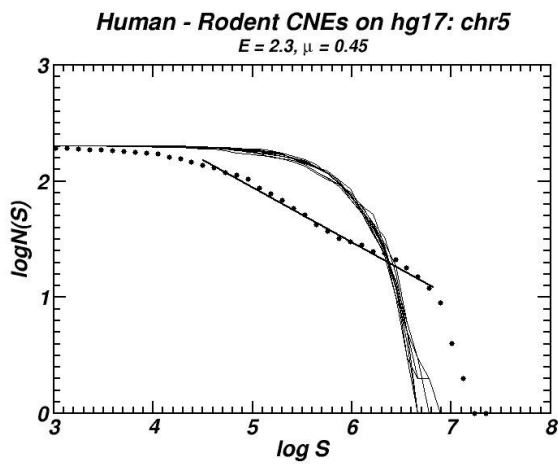
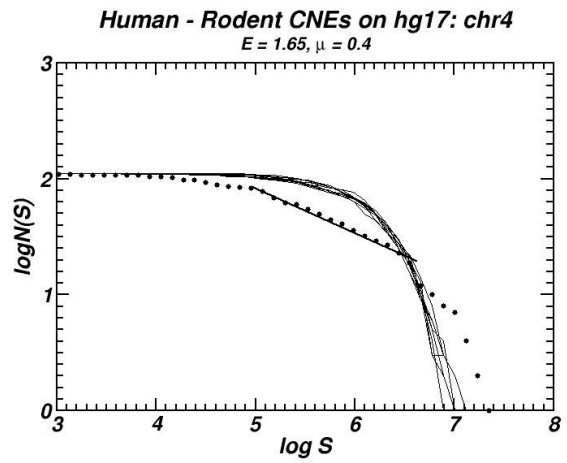
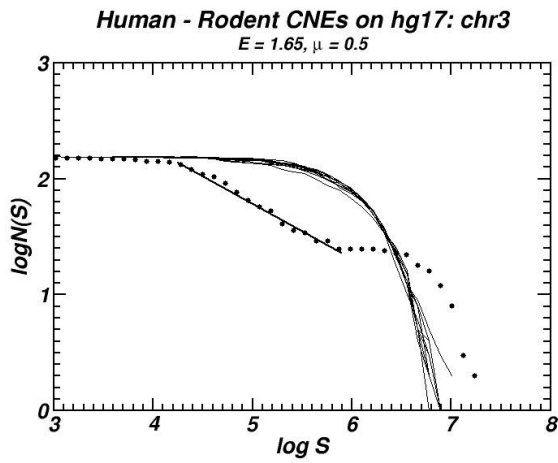
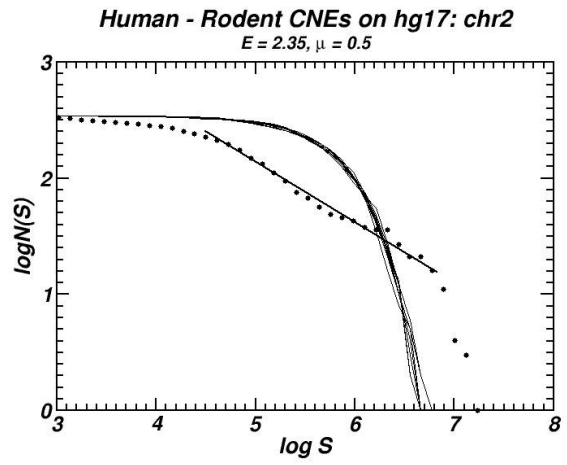
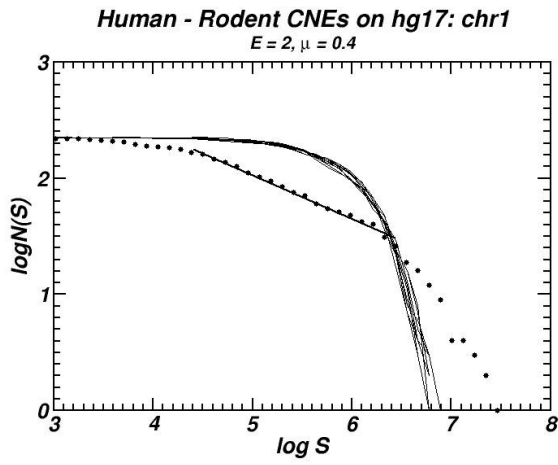




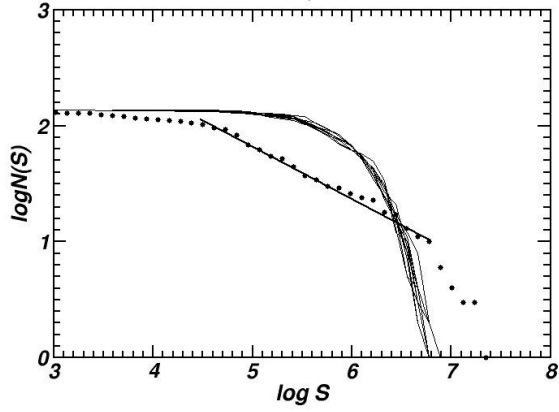
*D. rerio* PCNEs: chr25  
 $E = 3.05, \mu = 0.4$



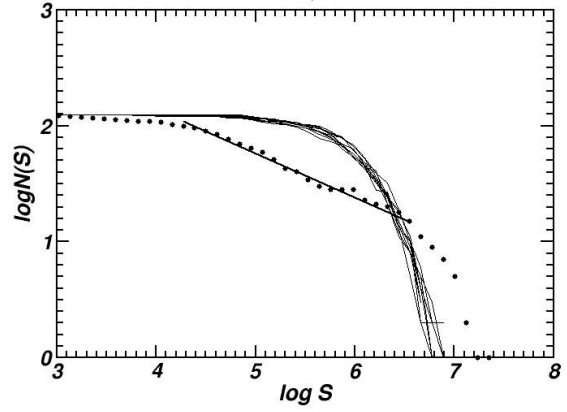
# Human-Rodents CNEs (Dataset x)



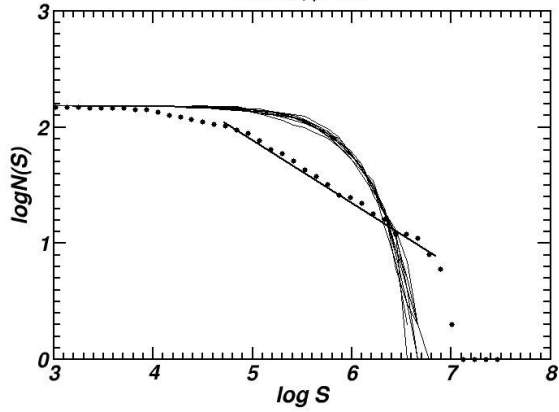
**Human - Rodent CNEs on hg17: chr7**  
 $E = 2.35, \mu = 0.45$



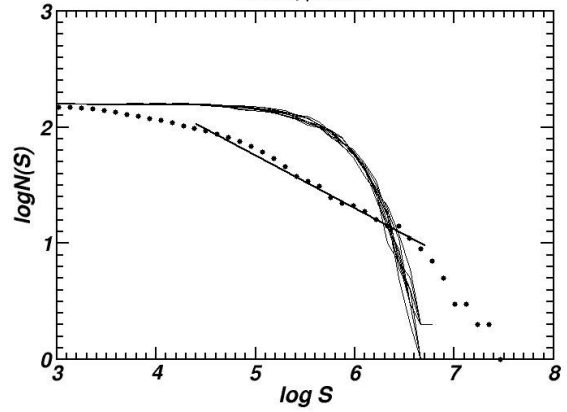
**Human - Rodent CNEs on hg17: chr8**  
 $E = 2.3, \mu = 0.4$



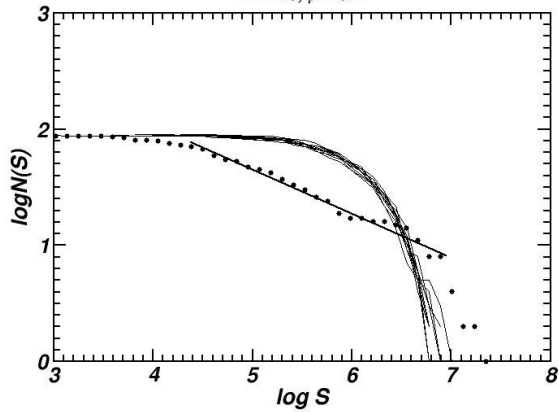
**Human - Rodent CNEs on hg17: chr9**  
 $E = 2.15, \mu = 0.5$



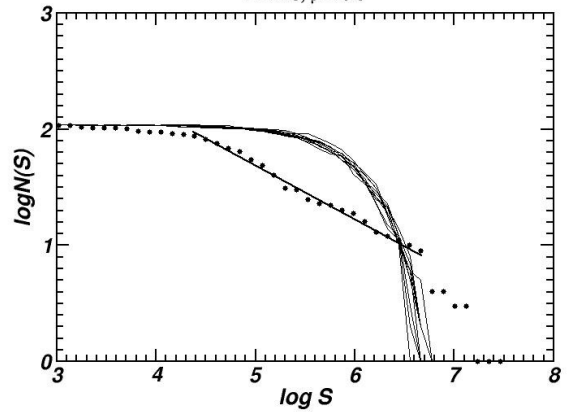
**Human - Rodent CNEs on hg17: chr10**  
 $E = 2.3, \mu = 0.45$



**Human - Rodent CNEs on hg17: chr11**  
 $E = 2.6, \mu = 0.4$

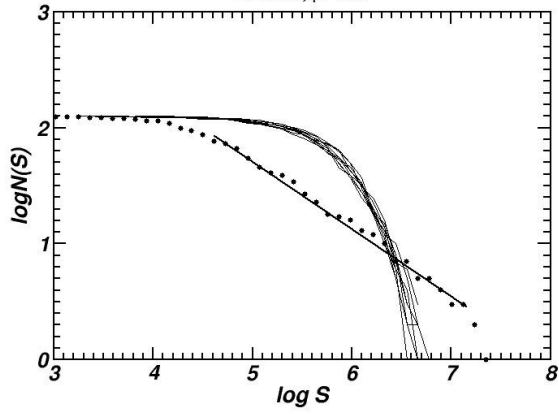


**Human - Rodent CNEs on hg17: chr13**  
 $E = 2.3, \mu = 0.5$



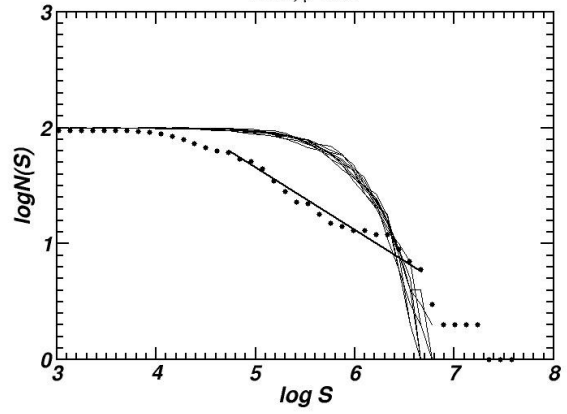
**Human - Rodent CNEs on hg17: chr14**

$E = 2.55, \mu = 0.6$



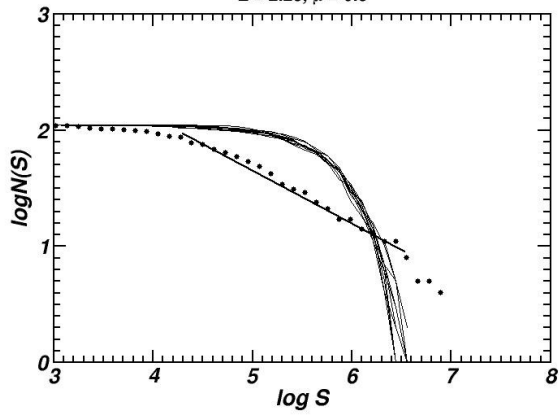
**Human - Rodent CNEs on hg17: chr15**

$E = 2, \mu = 0.5$



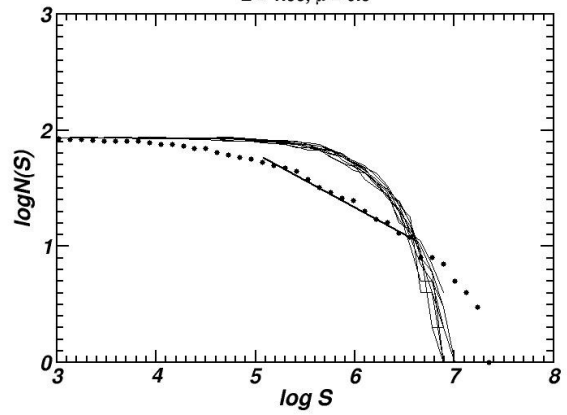
**Human - Rodent CNEs on hg17: chr18**

$E = 2.25, \mu = 0.6$

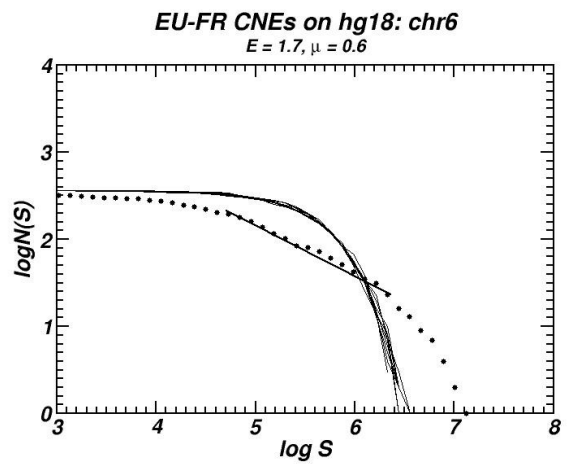
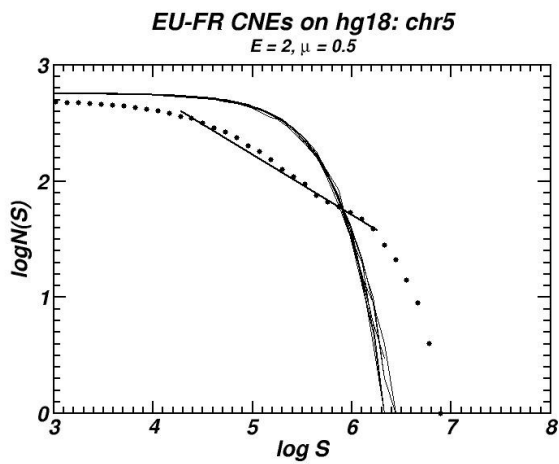
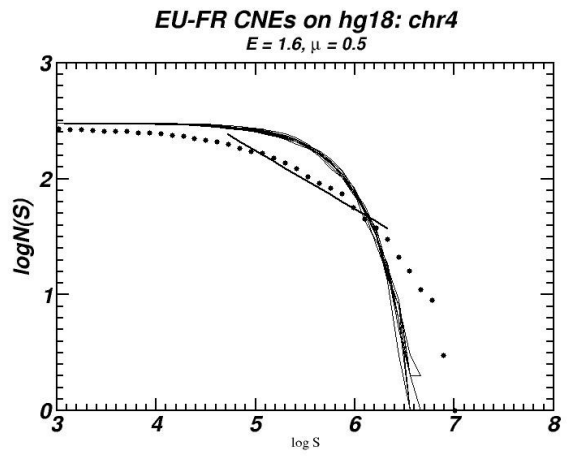
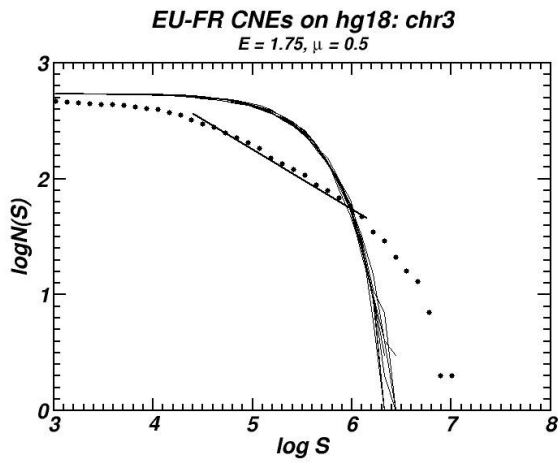
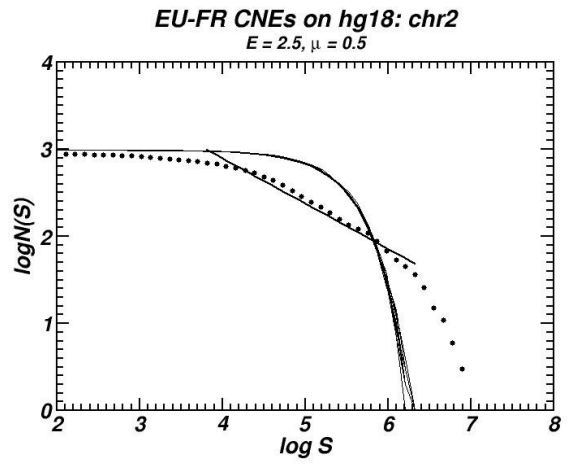
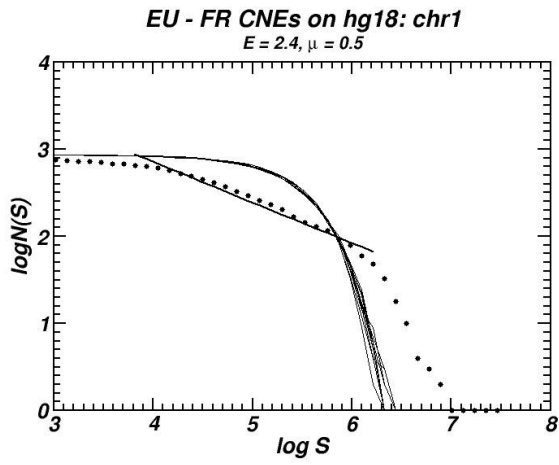


**Human - Rodent CNEs on hg17: chrX**

$E = 1.55, \mu = 0.5$

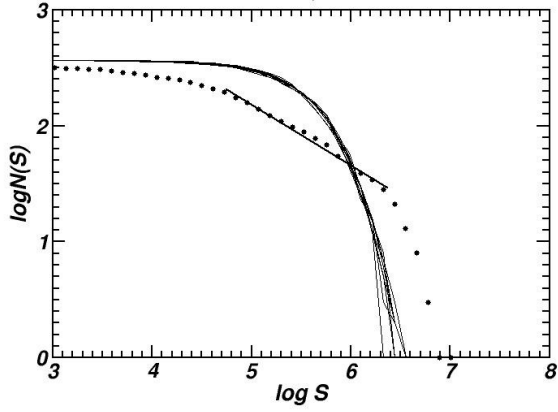


# EU-FR CNEs (Dataset ia)

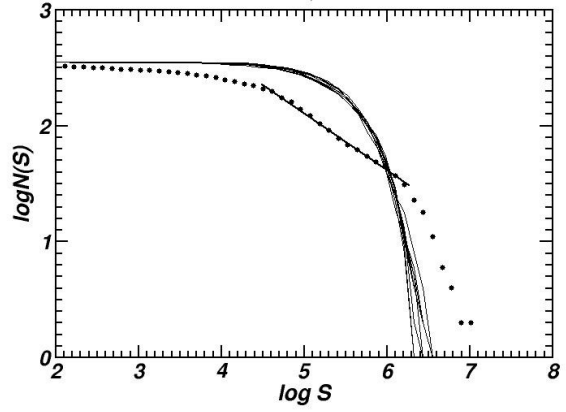




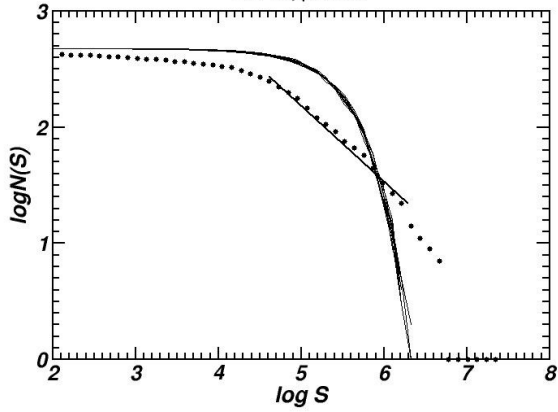
**EU-FR CNEs on hg18: chr7**  
 $E = 1.65, \mu = 0.5$



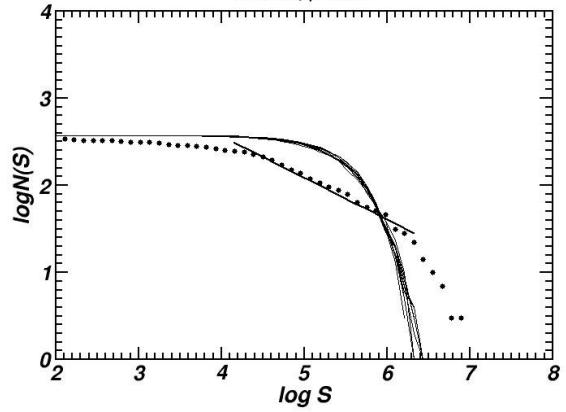
**EU-FR CNEs on hg18: chr8**  
 $E = 1.8, \mu = 0.5$



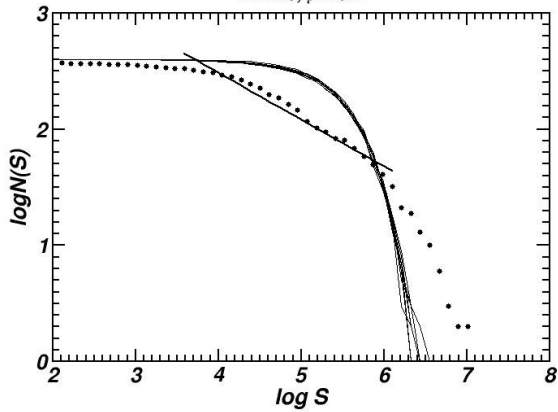
**EU-FR CNEs on hg18: chr9**  
 $E = 1.7, \mu = 0.65$



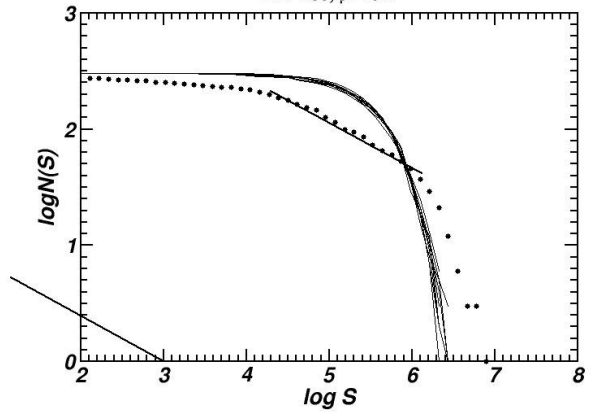
**EU-FR CNEs on hg18: chr10**  
 $E = 2.15, \mu = 0.47$



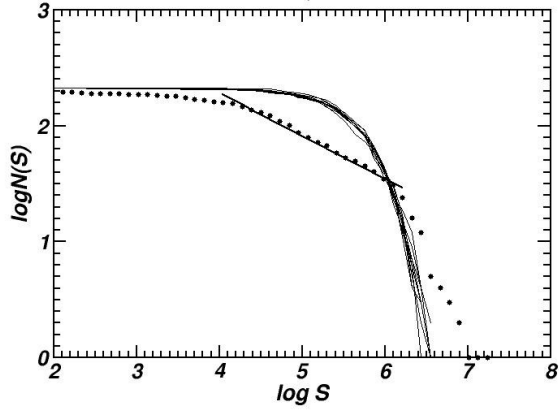
**EU-FR CNEs on hg18: chr11**  
 $E = 2.5, \mu = 0.4$



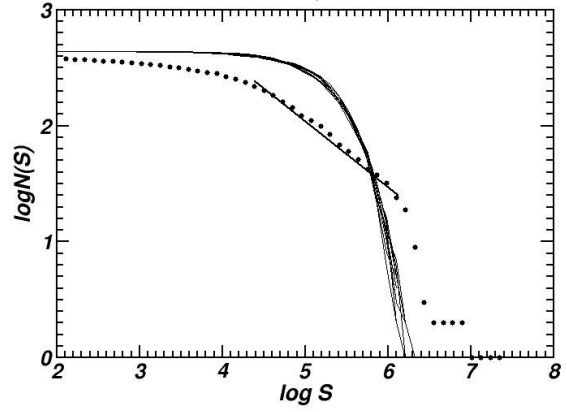
**EU-FR CNEs on hg18: chr12**  
 $E = 1.85, \mu = 0.4$



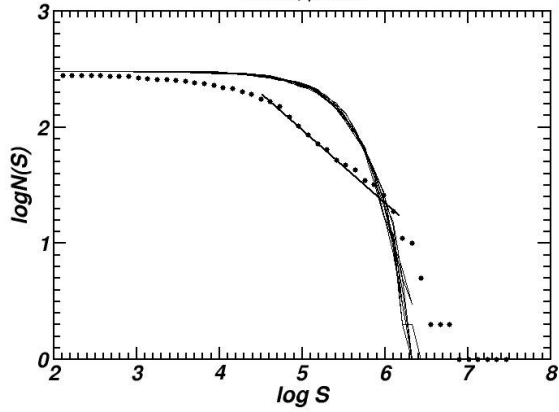
**EU-FR CNEs on hg18: chr13**  
 $E = 2.15, \mu = 0.37$



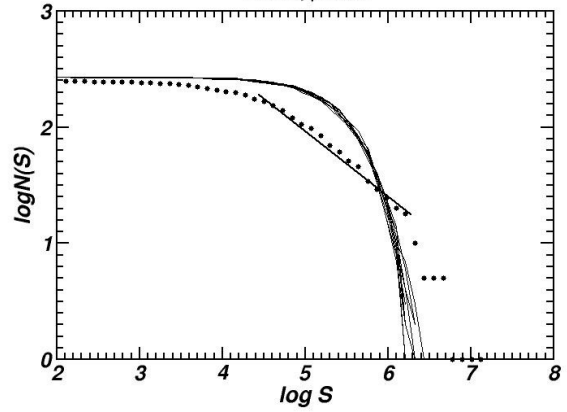
**EU-FR CNEs on hg18: chr14**  
 $E = 1.75, \mu = 0.6$



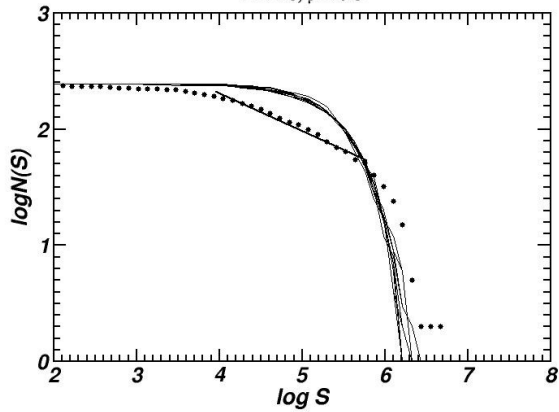
**EU-FR CNEs on hg18: chr15**  
 $E = 1.7, \mu = 0.6$



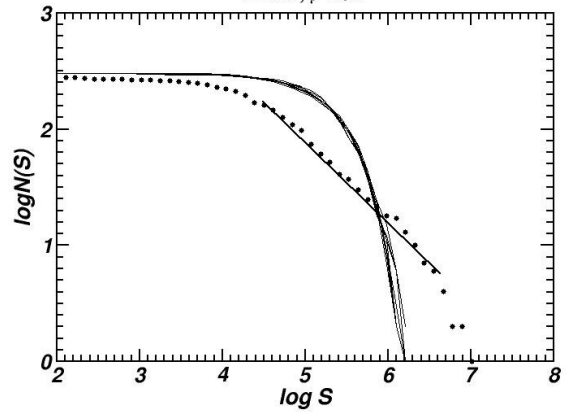
**EU-FR CNEs on hg18: chr16**  
 $E = 1.9, \mu = 0.6$



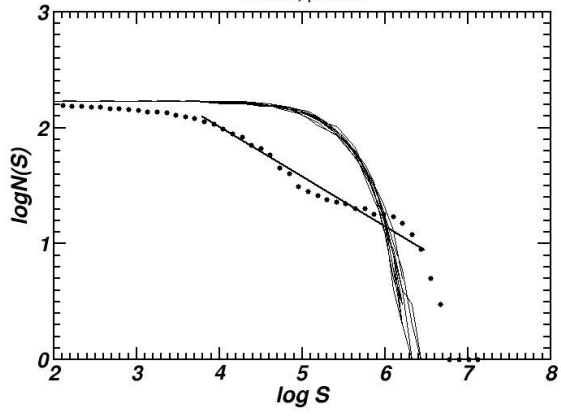
**EU-FR CNEs on hg18: chr17**  
 $E = 1.8, \mu = 0.3$



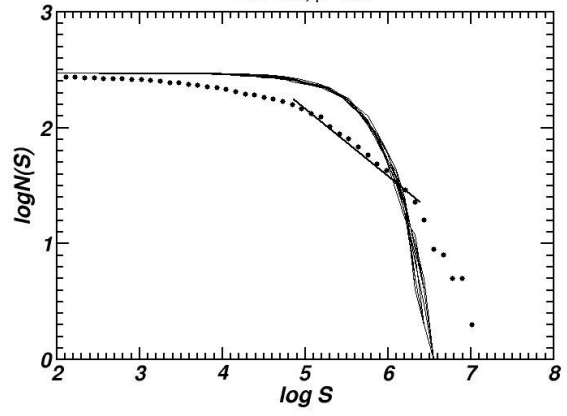
**EU-FR CNEs on hg18: chr18**  
 $E = 2.2, \mu = 0.7$



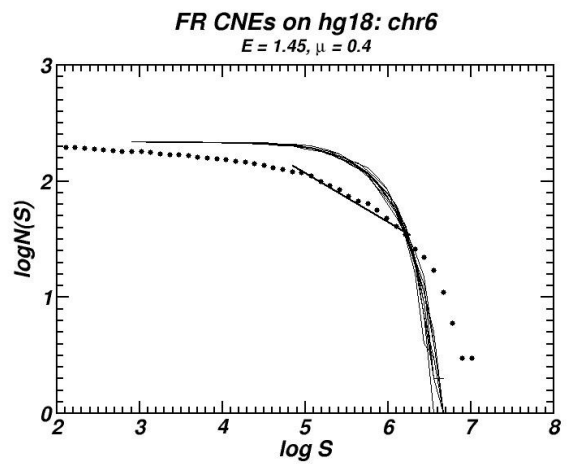
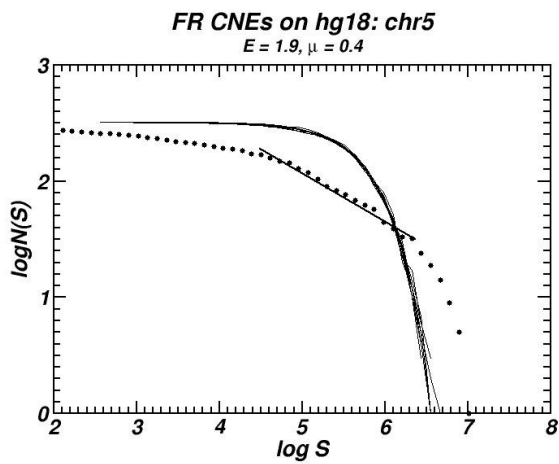
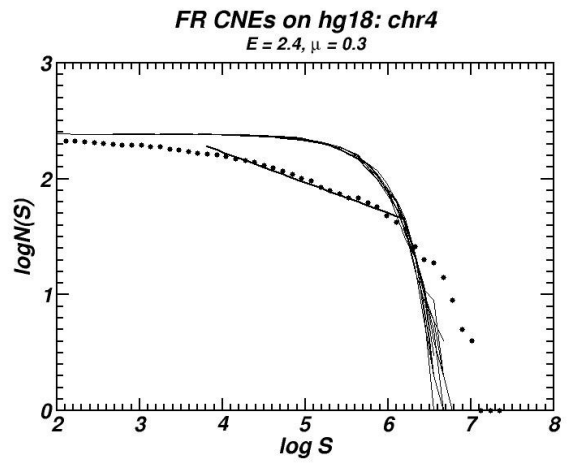
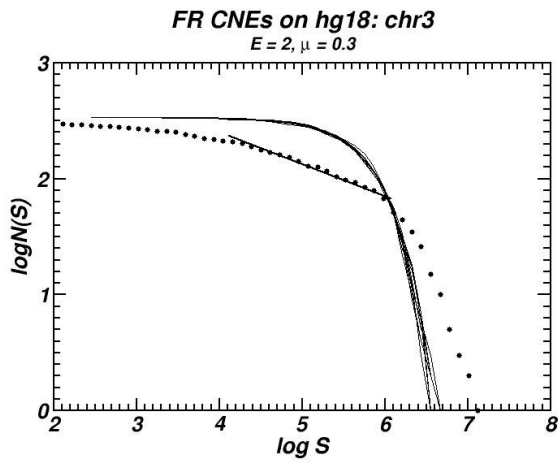
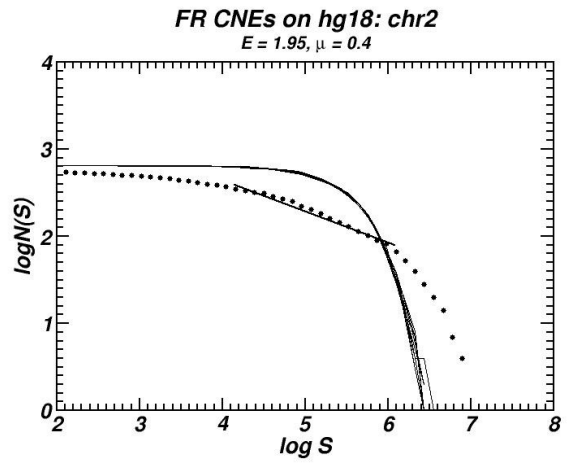
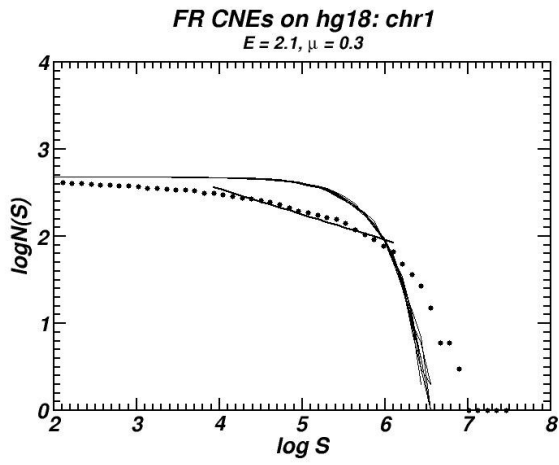
**EU-FR CNEs on hg18: chr19**  
 $E = 2.7, \mu = 0.4$



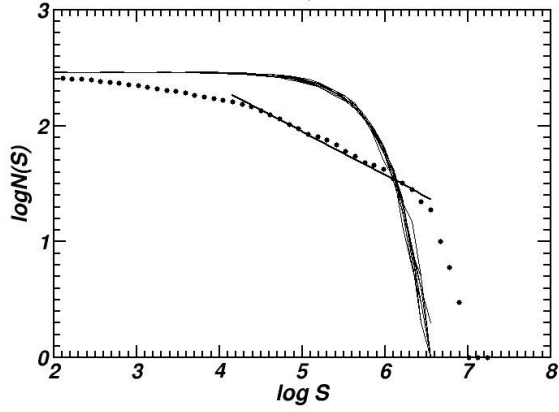
**EU-FR CNEs on hg18: chrX**  
 $E = 1.55, \mu = 0.6$



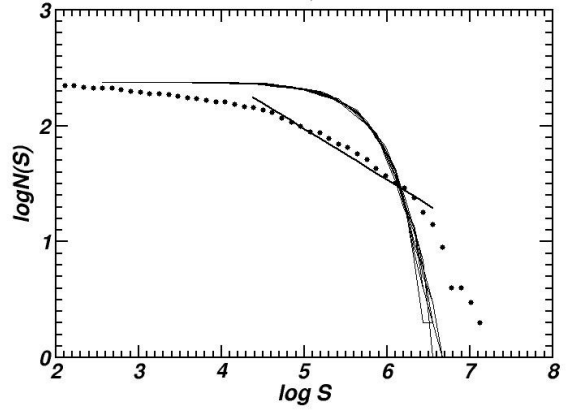
# FR CNEs (Dataset ib)



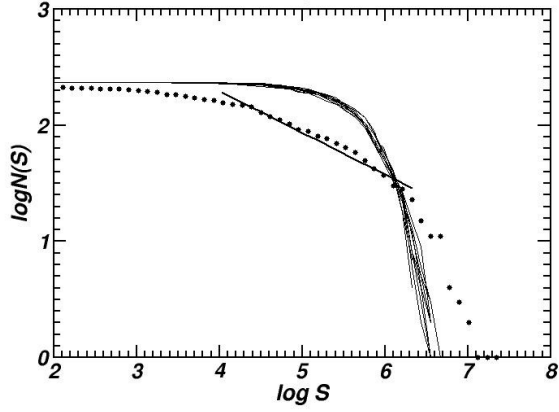
**FR CNEs on hg18: chr7**  
 $E = 2.4, \mu = 0.4$



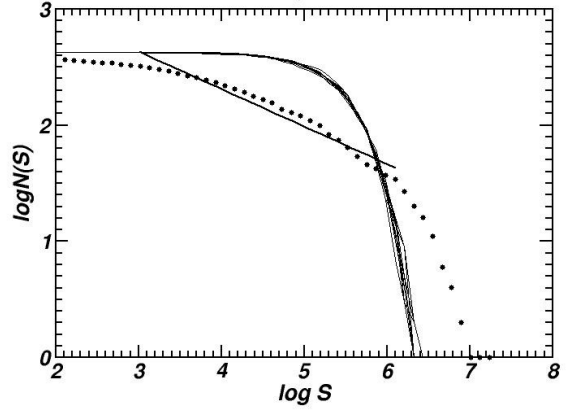
**FR CNEs on hg18: chr8**  
 $E = 2.15, \mu = 0.45$



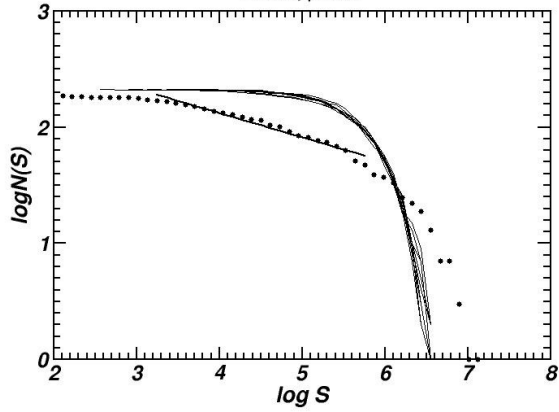
**FR CNEs on hg18: chr9**  
 $E = 2.3, \mu = 0.35$



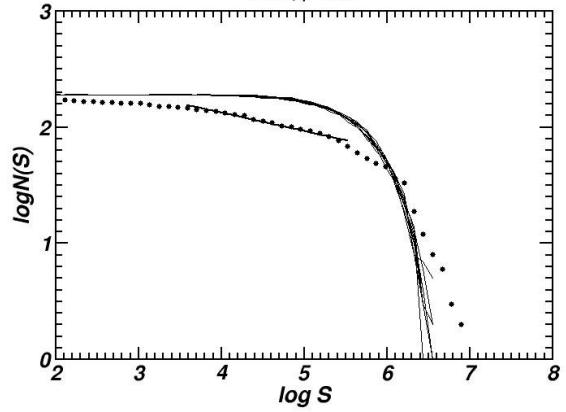
**FR CNEs on hg18: chr10**  
 $E = 3, \mu = 0.32$



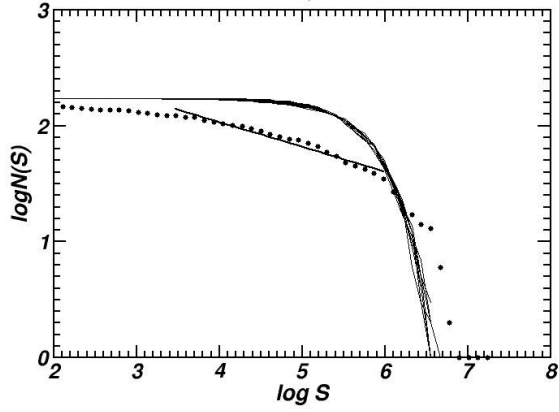
**FR CNEs on hg18: chr11**  
 $E = 2.5, \mu = 0.2$



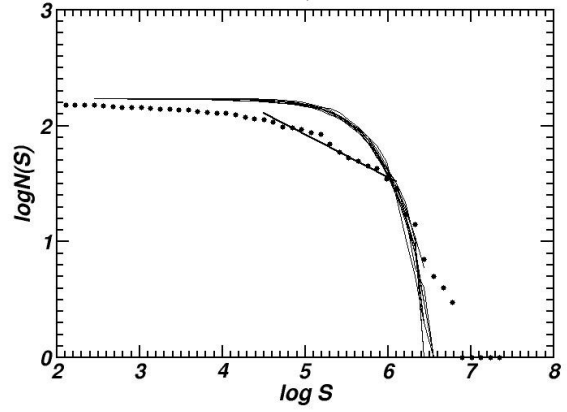
**FR CNEs on hg18: chr12**  
 $E = 2, \mu = 0.2$



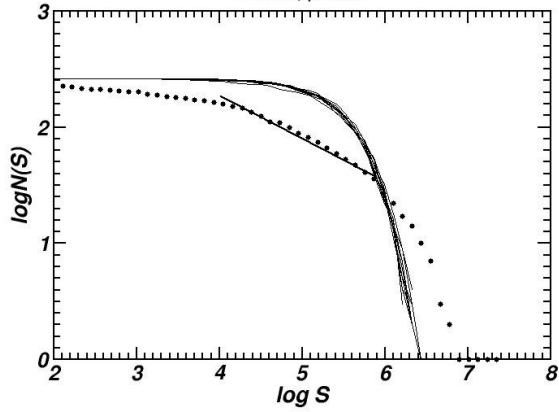
**FR CNEs on hg18: chr13**  
 $E = 2.5, \mu = 0.2$



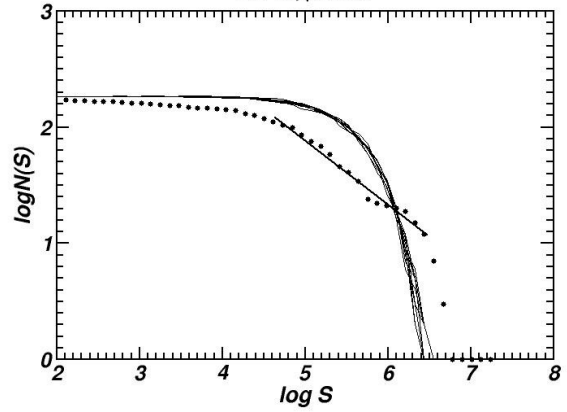
**FR CNEs on hg18: chr14**  
 $E = 1.6, \mu = 0.36$



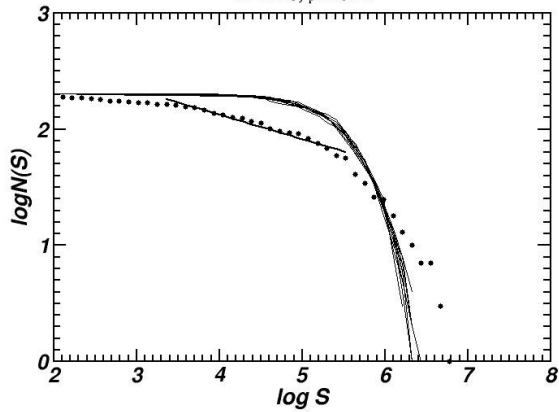
**FR CNEs on hg18: chr15**  
 $E = 1.9, \mu = 0.4$



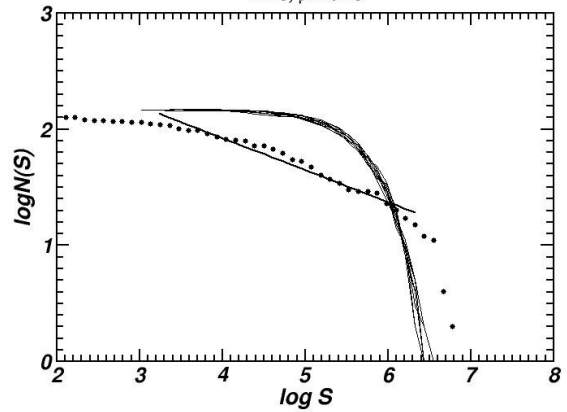
**FR CNEs on hg18: chr16**  
 $E = 1.9, \mu = 0.55$



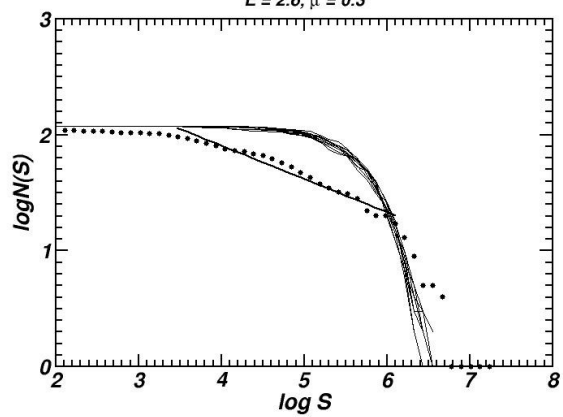
**FR CNEs on hg18: chr17**  
 $E = 2.15, \mu = 0.21$



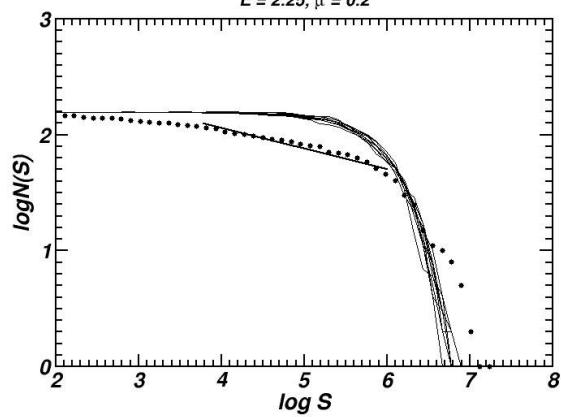
**FR CNEs on hg18: chr18**  
 $E = 3, \mu = 0.28$



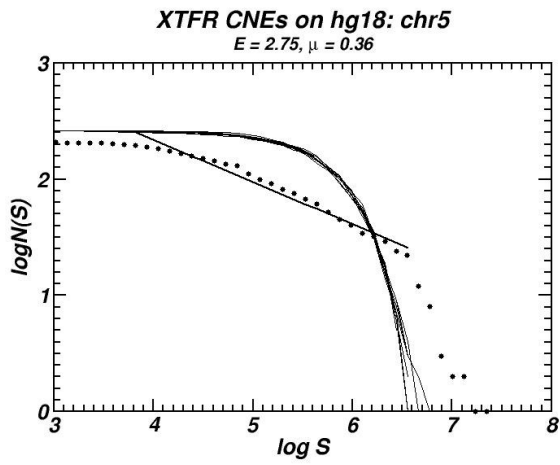
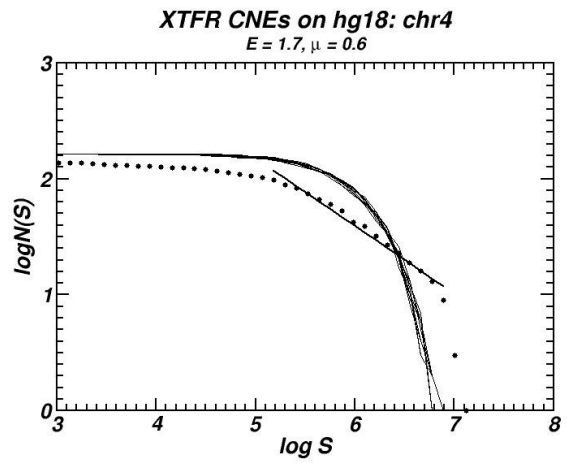
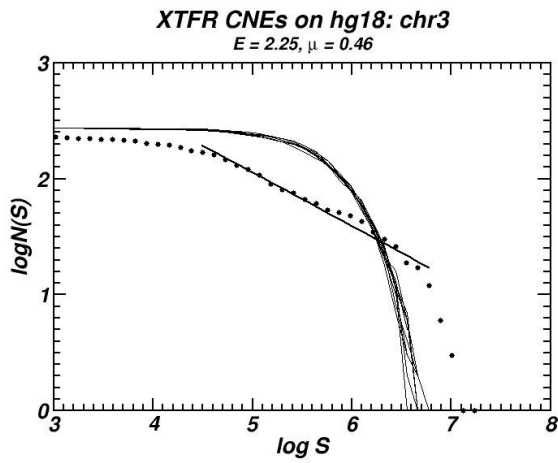
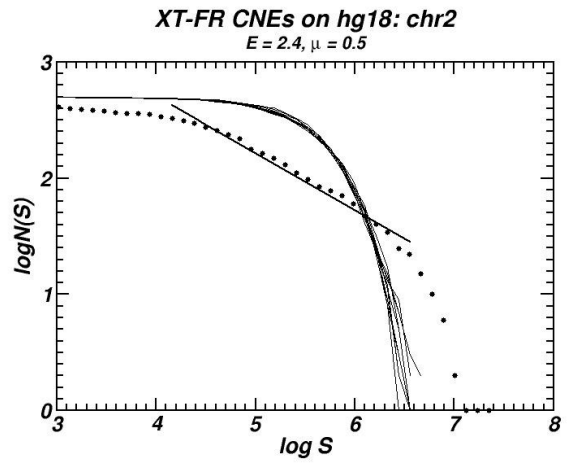
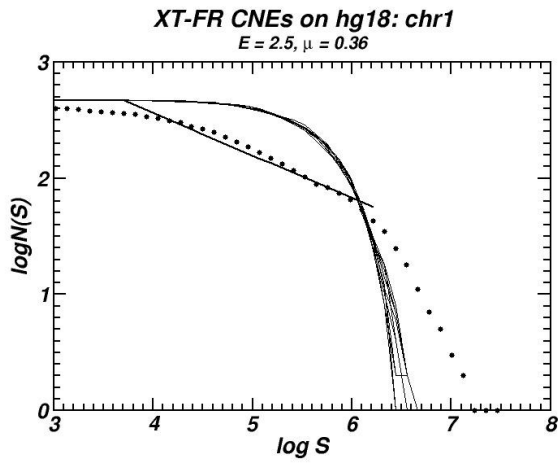
**FR CNEs on hg18: chr19**  
 $E = 2.6, \mu = 0.3$



**FR CNEs on hg18: chrX**  
 $E = 2.25, \mu = 0.2$

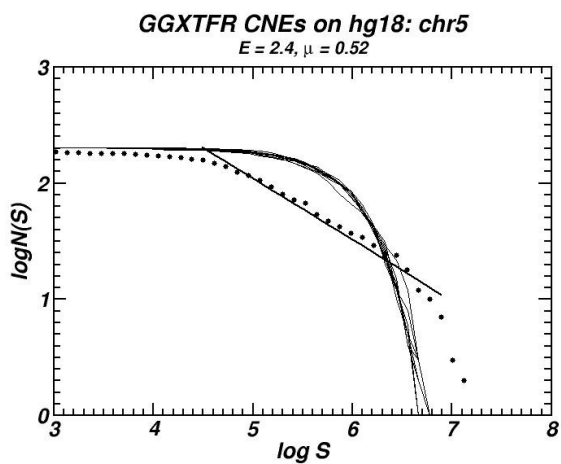
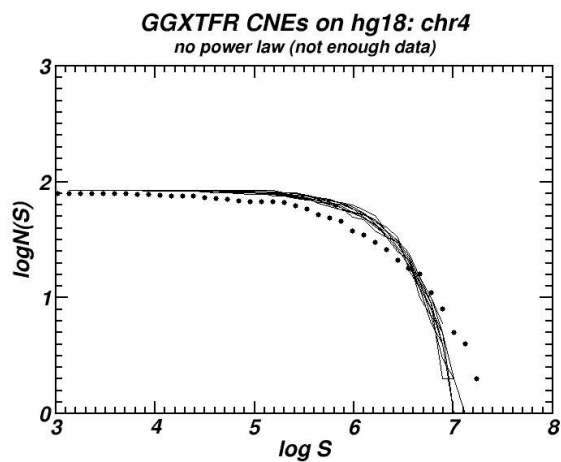
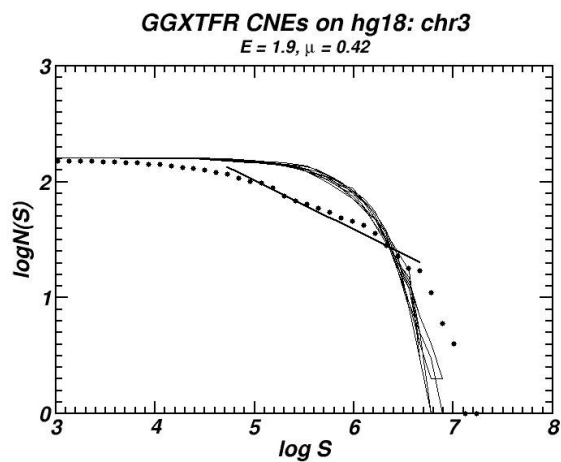
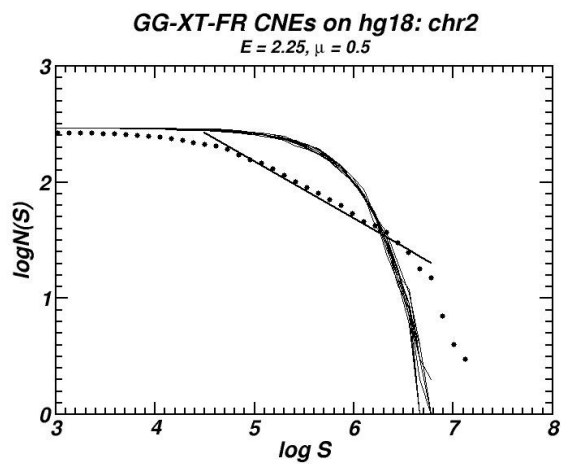
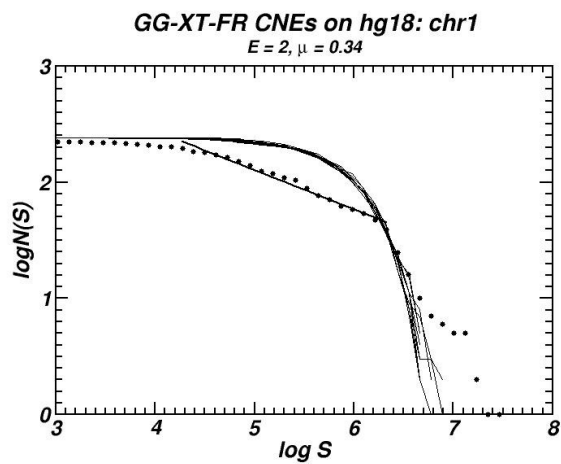


# XT-FR CNEs (Dataset ic)

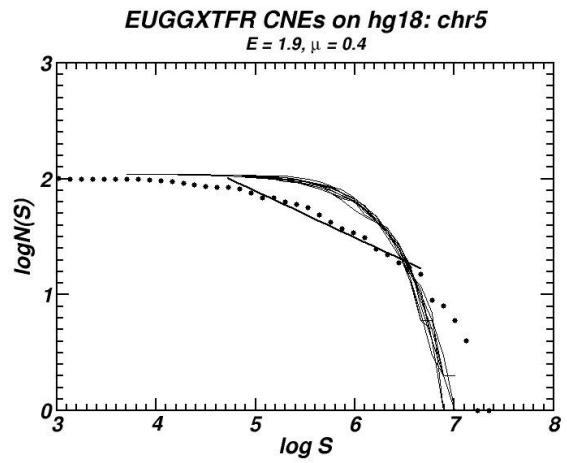
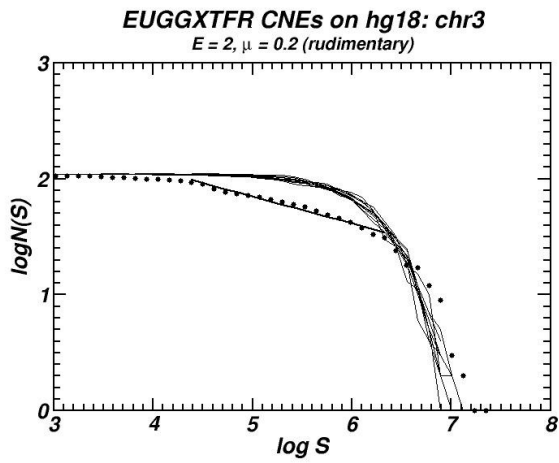
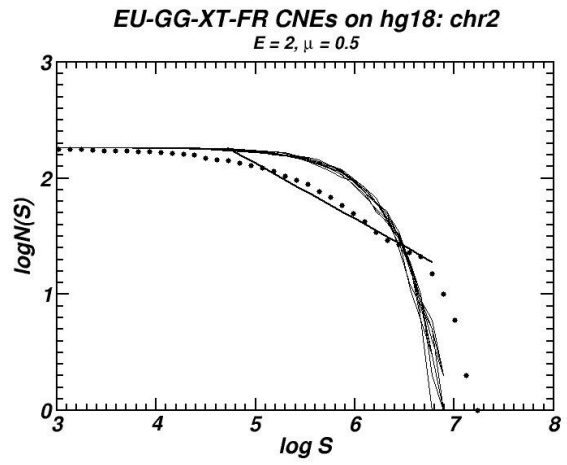
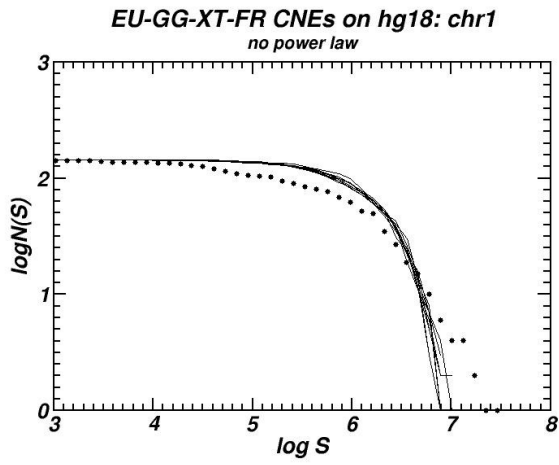




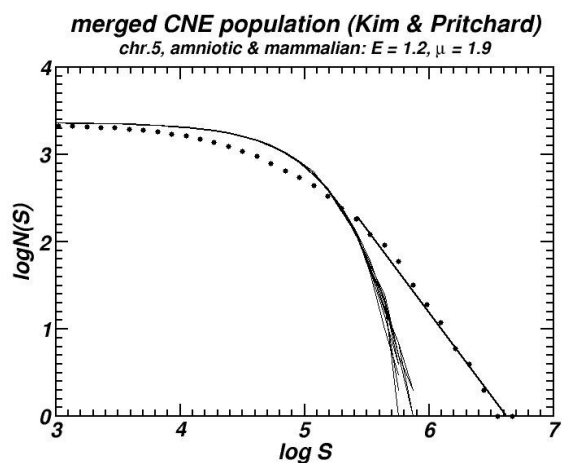
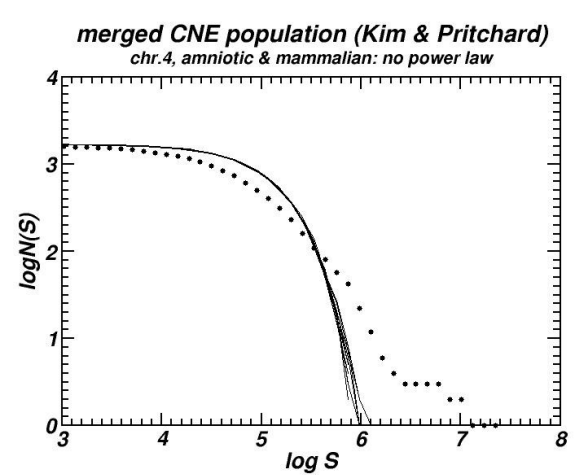
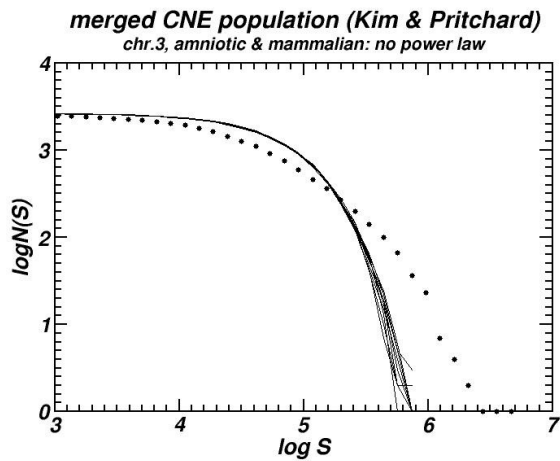
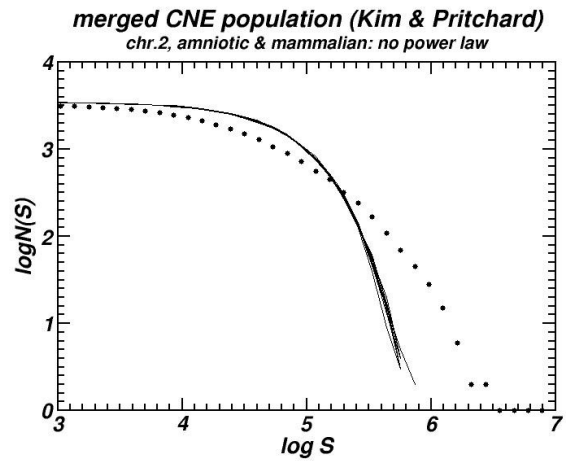
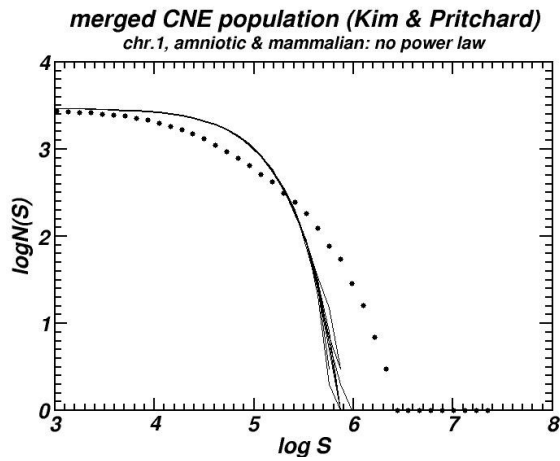
# GG-XT-FR CNEs (Dataset id)



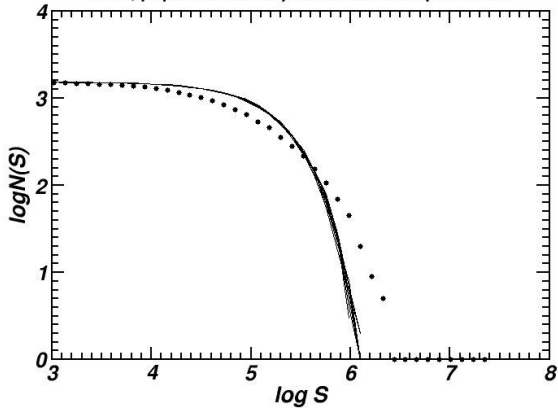
# EU-GG-XT-FR CNEs (Dataset ie)



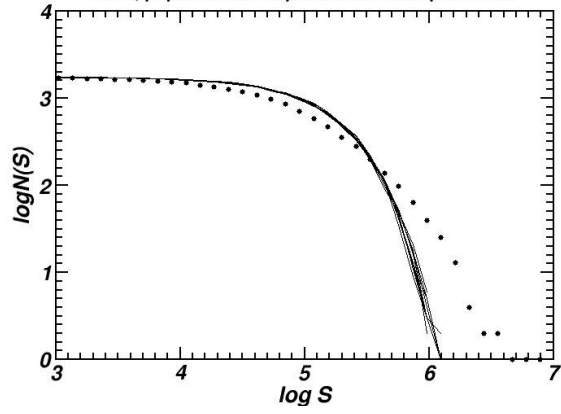
To obtain the figures from the merged and random datasets (adopted from Amniotic and Mammalian datasets as described in the text) shown below, we use the built-in function in R called `sample` (without replacement). Only the first five chromosomes are depicted :



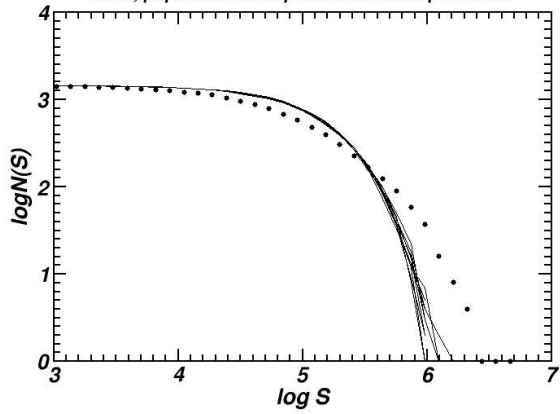
*randomly selected mam. CNEs (Kim & Pritchard)*  
*chr.1, population left eq. to amniotic: no power law*



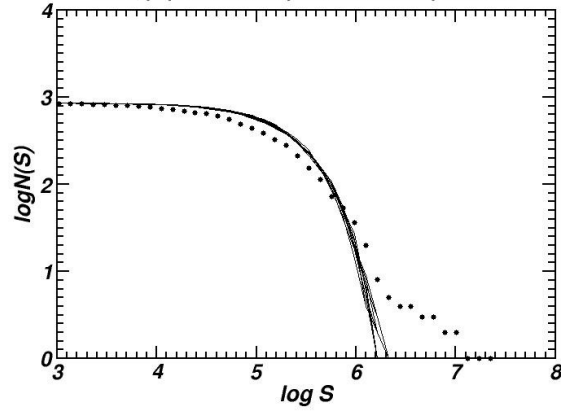
*randomly selected mam. CNEs (Kim & Pritchard)*  
*chr.2, population left eq. to amniotic: no power law*



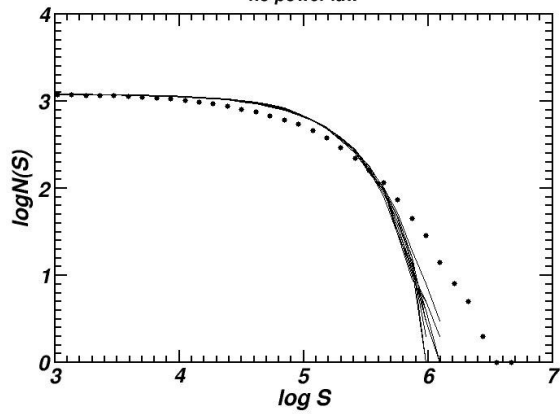
*randomly selected mam. CNEs (Kim & Pritchard)*  
*chr.3, population left eq. to amniotic: no power law*



*randomly selected mam. CNEs (Kim & Pritchard)*  
*chr.4, population left eq. to amniotic: no power law*

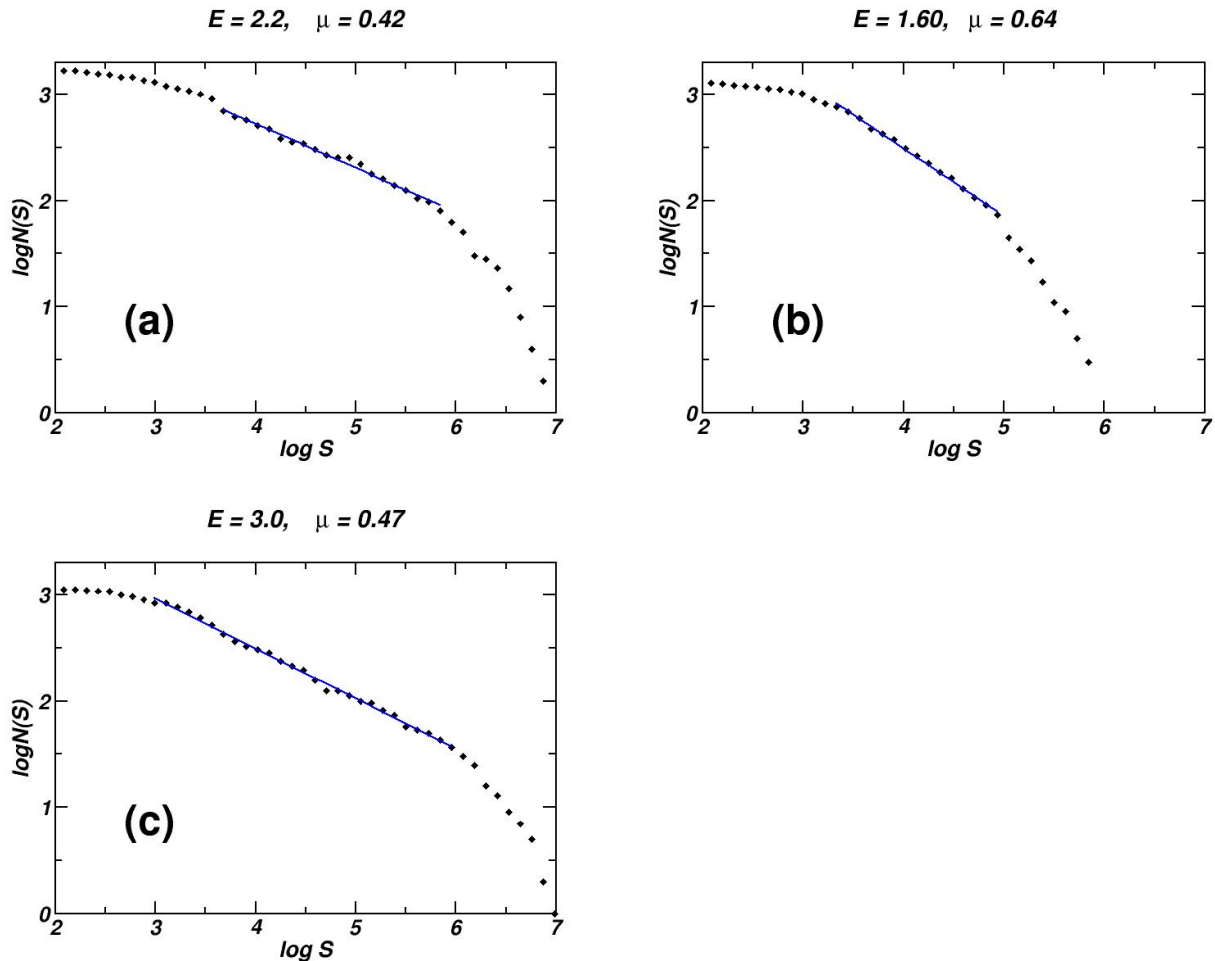


*random mammalian CNEs on hg17: chr5*  
*no power law*



## Appendix

### Additional Simulations using the genomic duplications – CNE loss model



#### Simulations' details

Examples of simulations additional to the ones given in Figure 3 are shown. Initially, 1000 markers (representing CNEs) are randomly inserted in a sequence 2Mnt long. Then, in (a), 173 segmental duplication events occurred, with lengths sampled from a uniform distribution with maximum the 5% of the actual length of the simulated sequence. After each such event a number of CNEs equal to 90% of the number of the duplicated ones are eliminated. The length reached by the simulated chromosome was ~195 Mnt (steps *i* and *ii* of the model). In (b) the segmental duplications were 87 (~50% less) and the final sequence length ~22 Mnt. In (c) the number of segmental duplications is as in (a) and the finally reached length ~119Mnt. Here, 256 additional events of non-duplicated CNEs eliminations are also allowed (step *iii* of the model). These eliminations represent cases of loss of function of ancestral CNEs with a subsequent progressive decomposition. For genomic and for model-generated size distributions, circles and rhombs are used respectively, throughout.