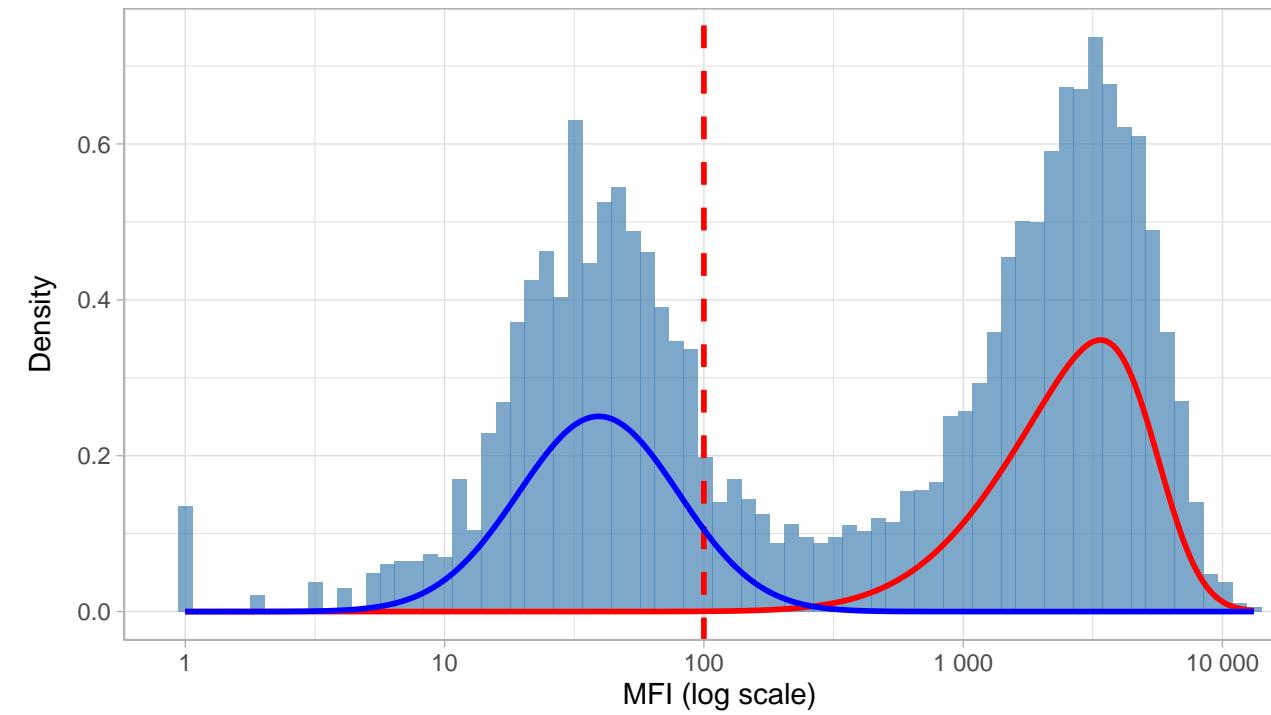


Diagnostics: cmv_pp150

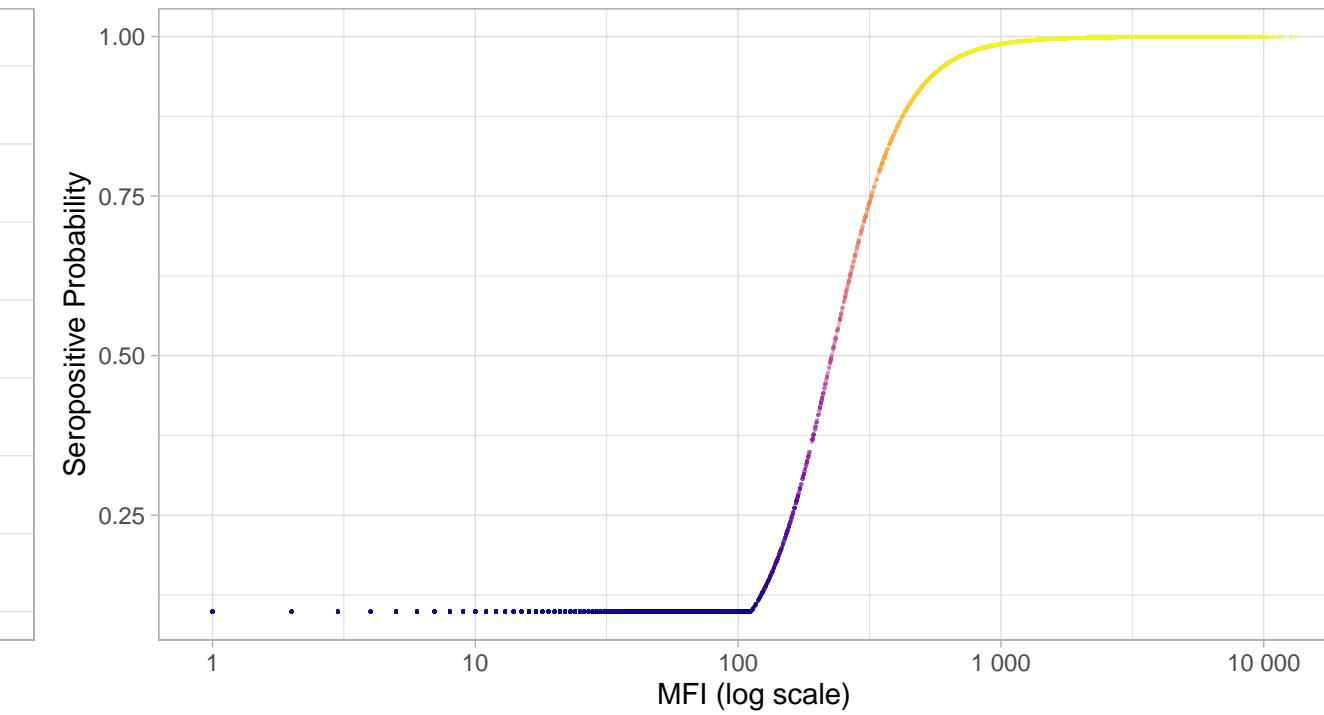
N=9424 | >0.95=4725 | <0.05=0 | Ambig=4699

Original MFI Distribution: cmv_pp150

Hard cutoff threshold = 100

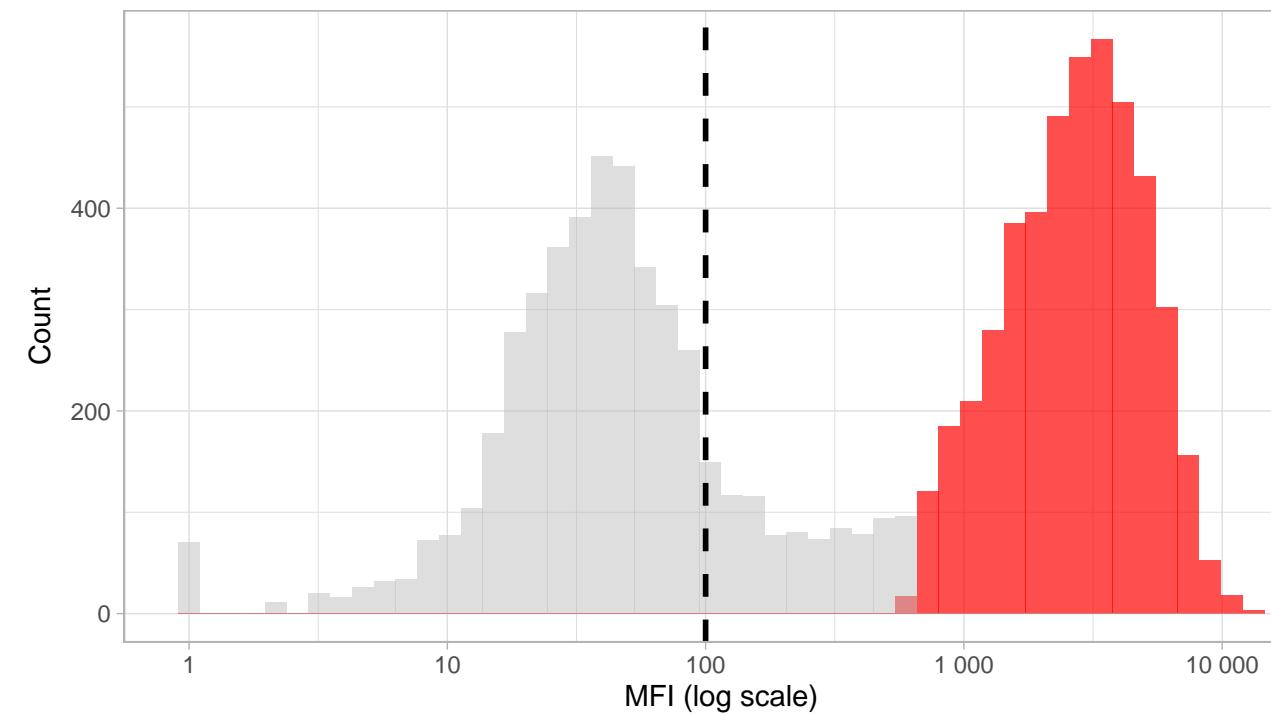


IgG vs Seropositive Probability: cmv_pp150



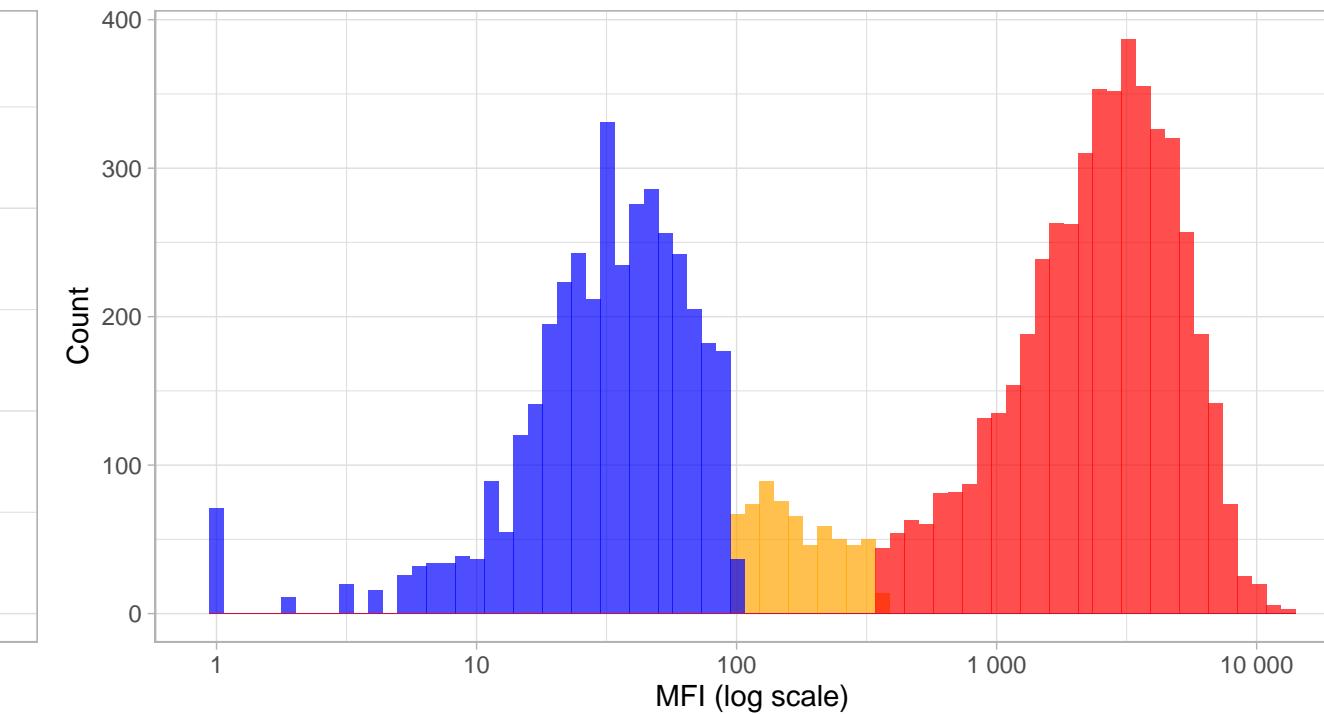
High-Confidence Seropositive Distribution: cmv_pp150

Prob threshold = 0.96



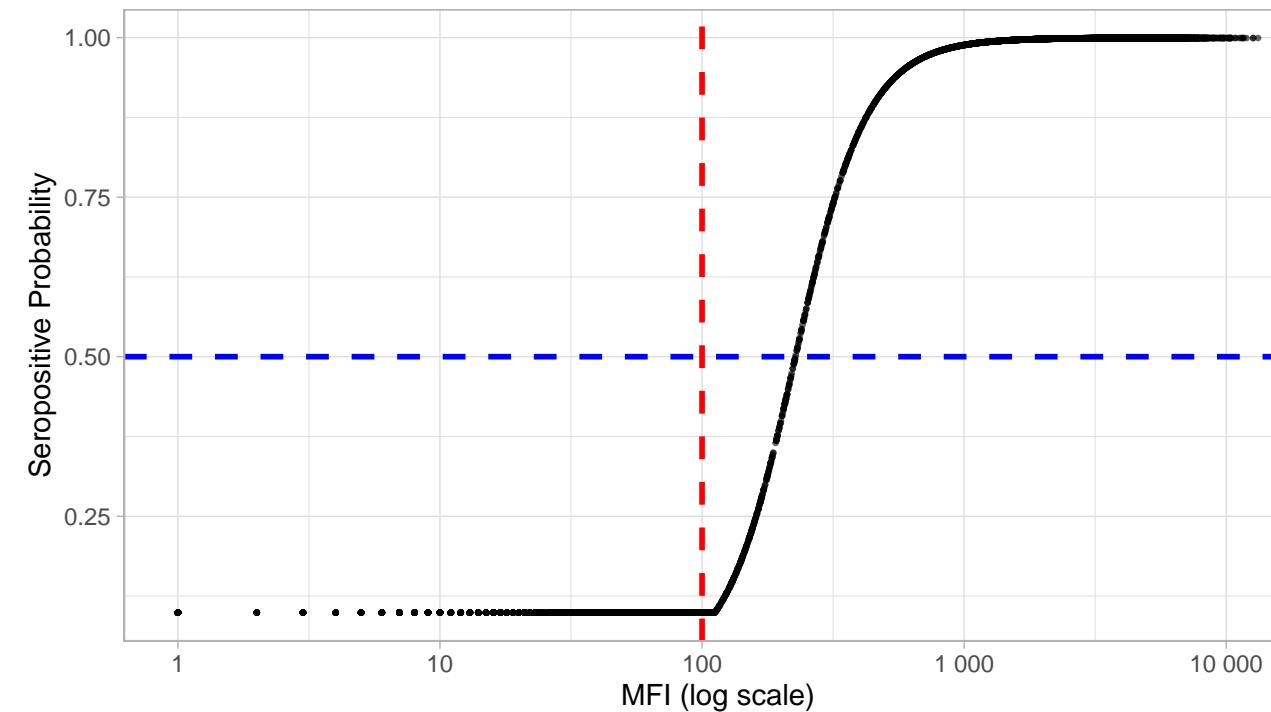
Phenotype Distribution by Classification: cmv_pp150

Comparing hard vs soft classifications



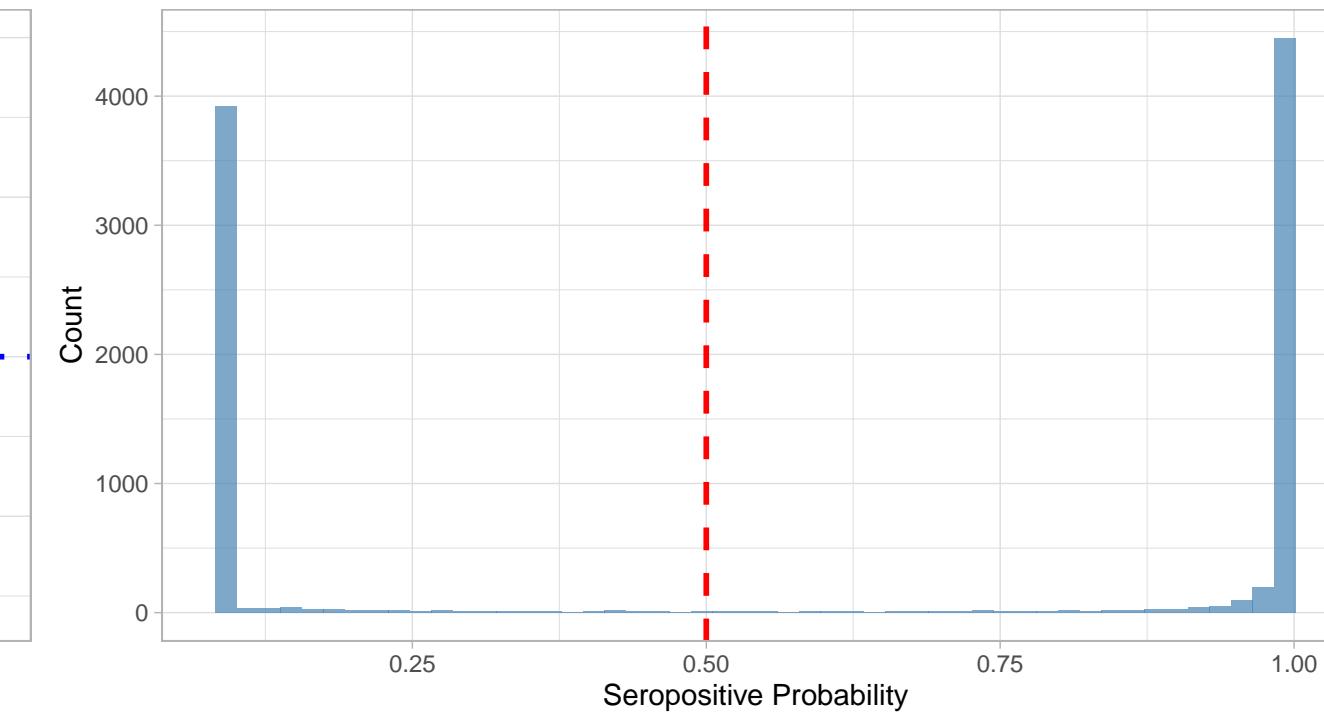
IgG Level vs Seropositive Probability: cmv_pp150

Red line = hard threshold, Blue line = 50% probability



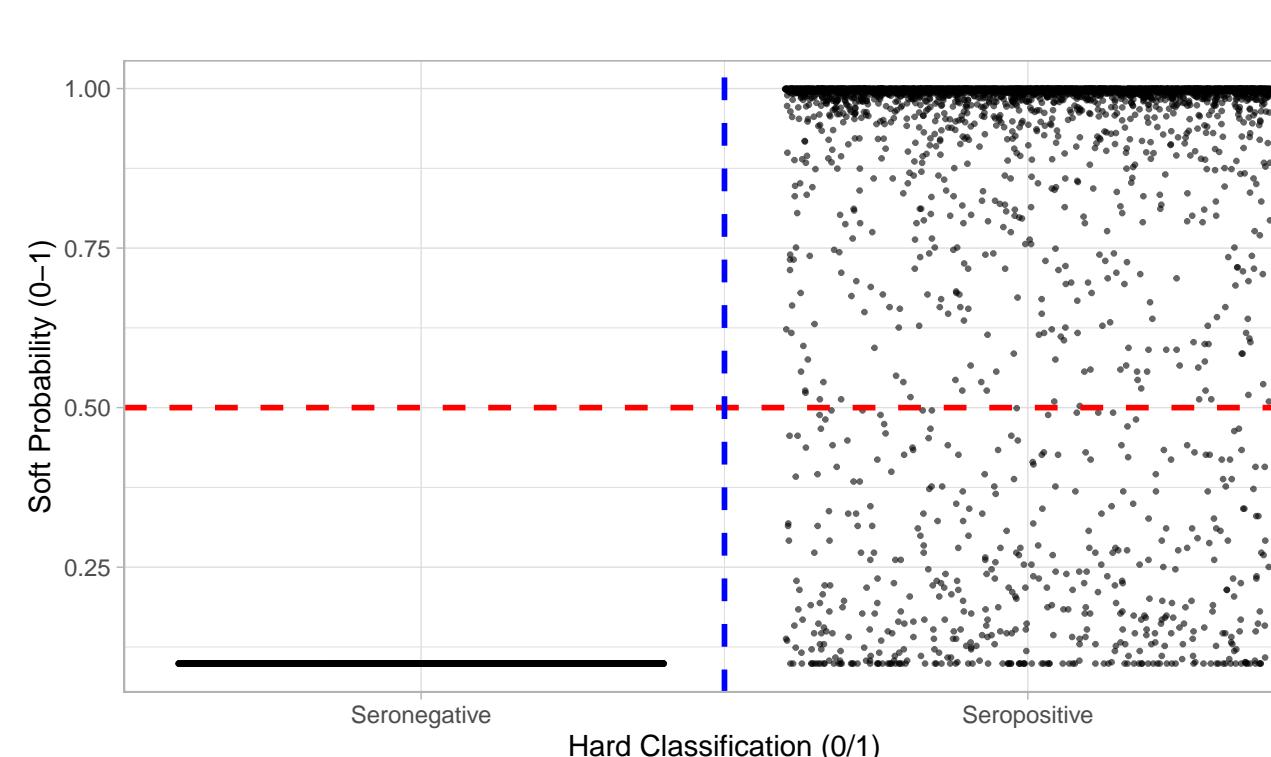
Distribution of Seropositive Probabilities: cmv_pp150

Red line = 50% threshold



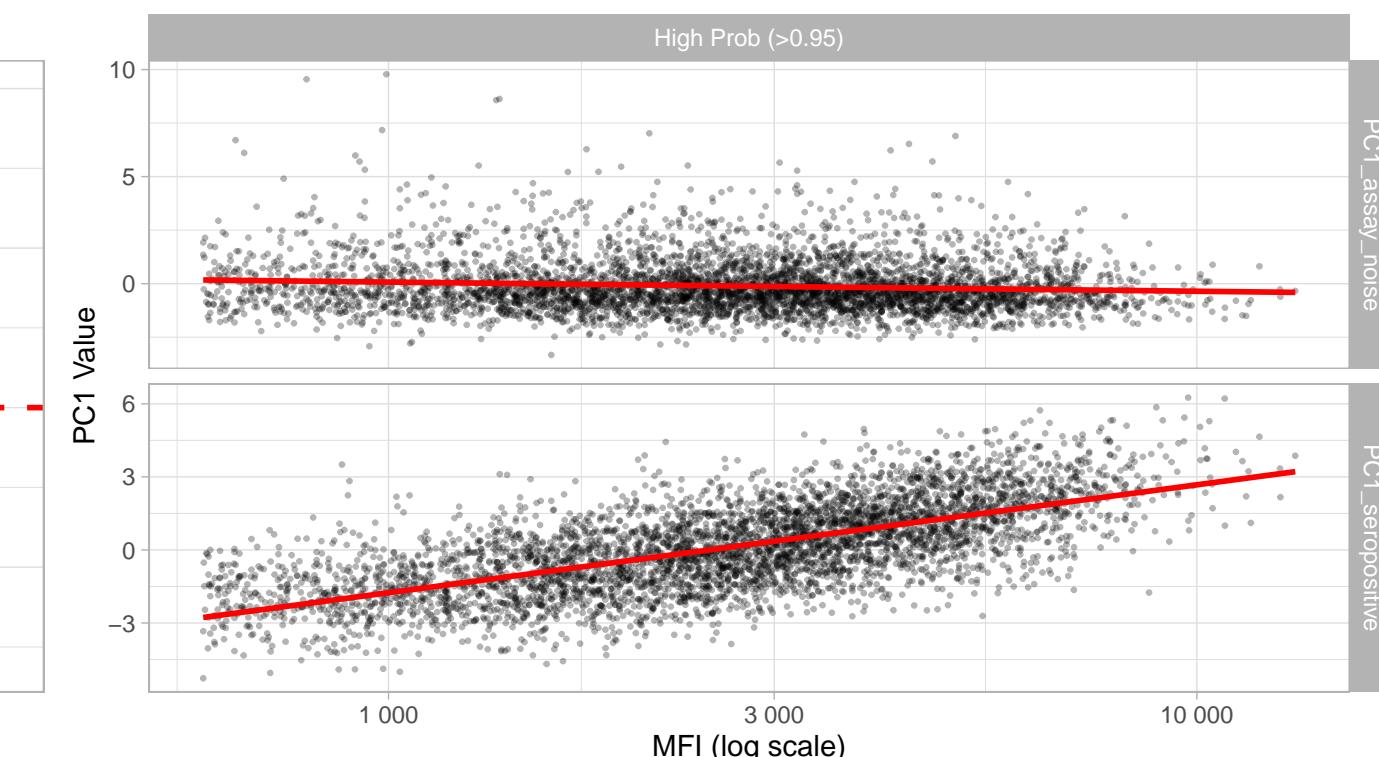
Hard vs Soft Classification: cmv_pp150

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: cmv_pp150

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

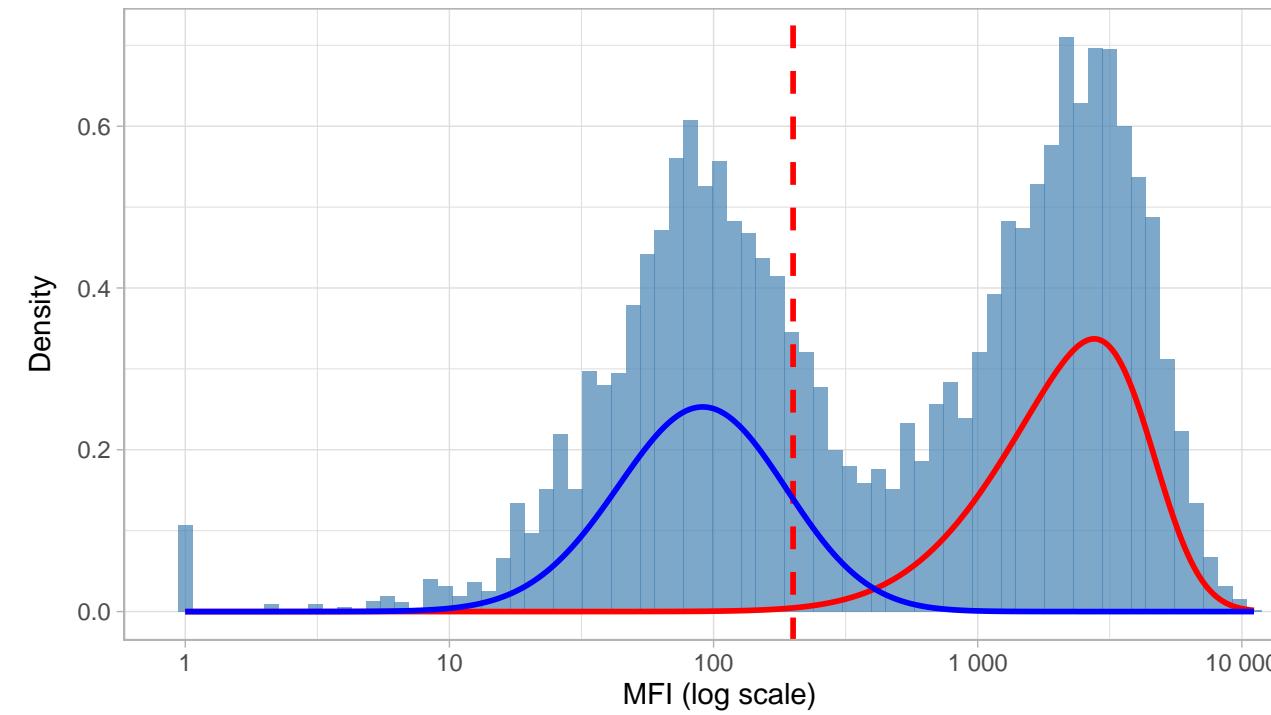


Diagnostics: cmv_pp28

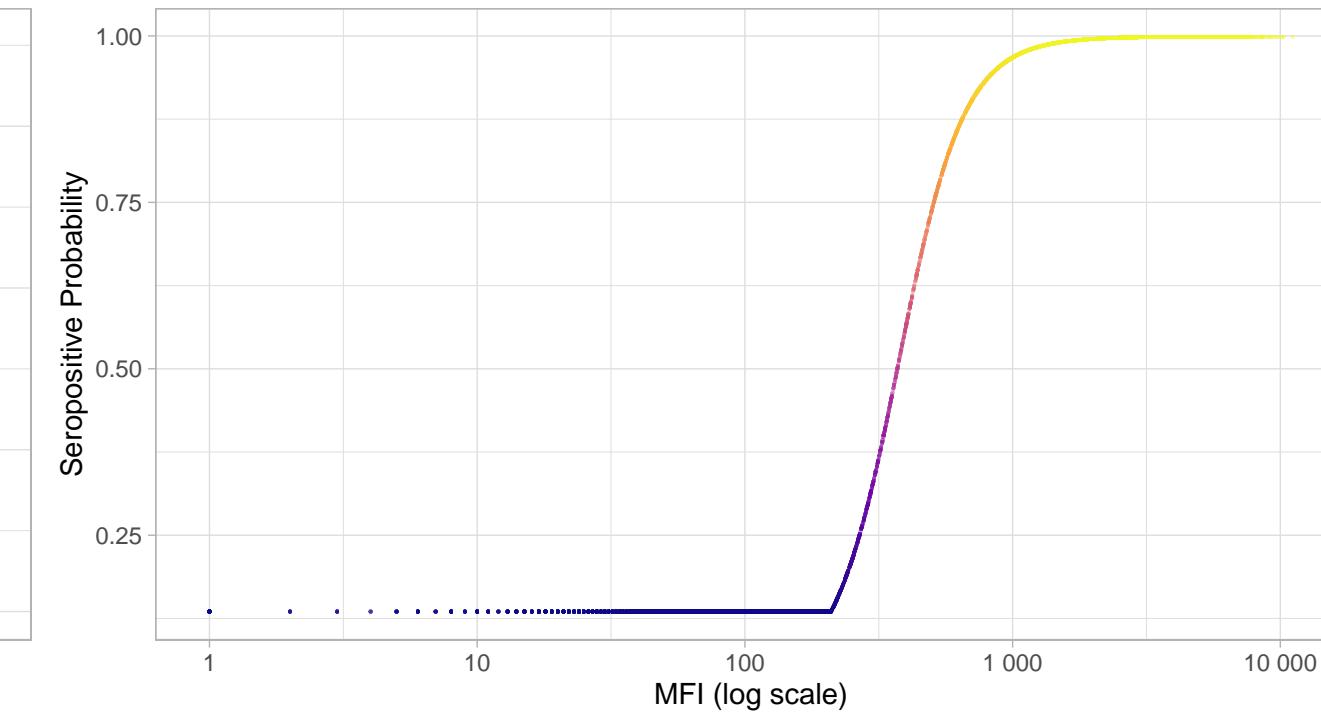
N=9424 | >0.95=4173 | <0.05=0 | Ambig=5251

Original MFI Distribution: cmv_pp28

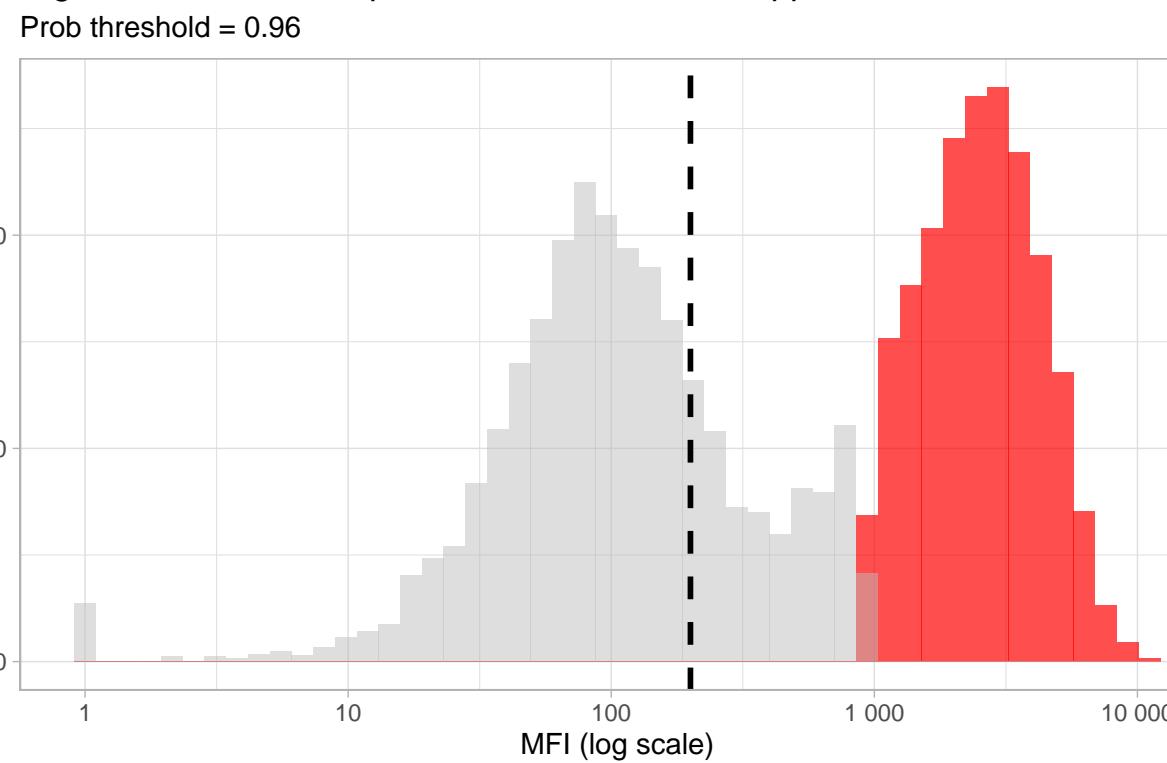
Hard cutoff threshold = 200



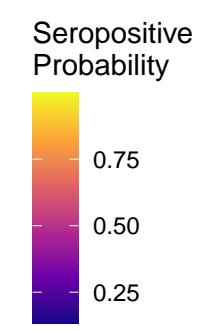
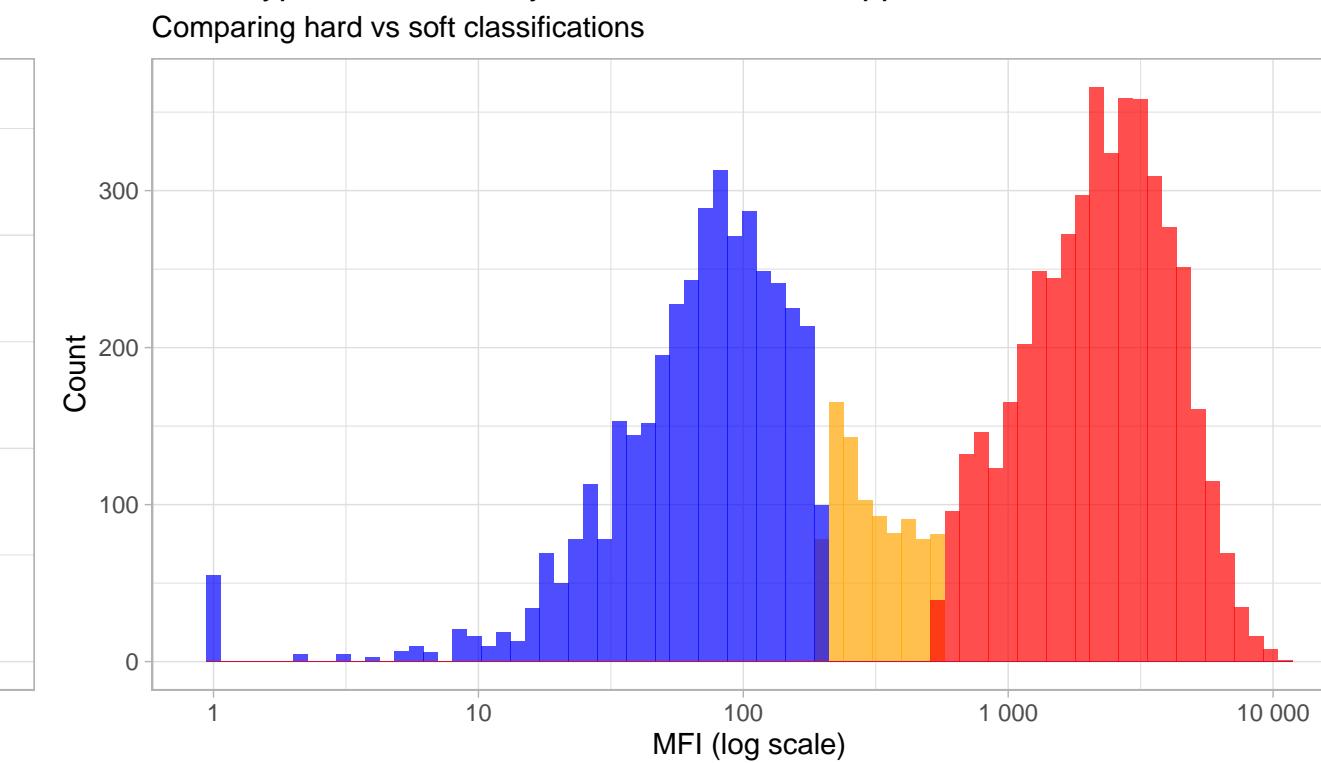
IgG vs Seropositive Probability: cmv_pp28



High-Confidence Seropositive Distribution: cmv_pp28

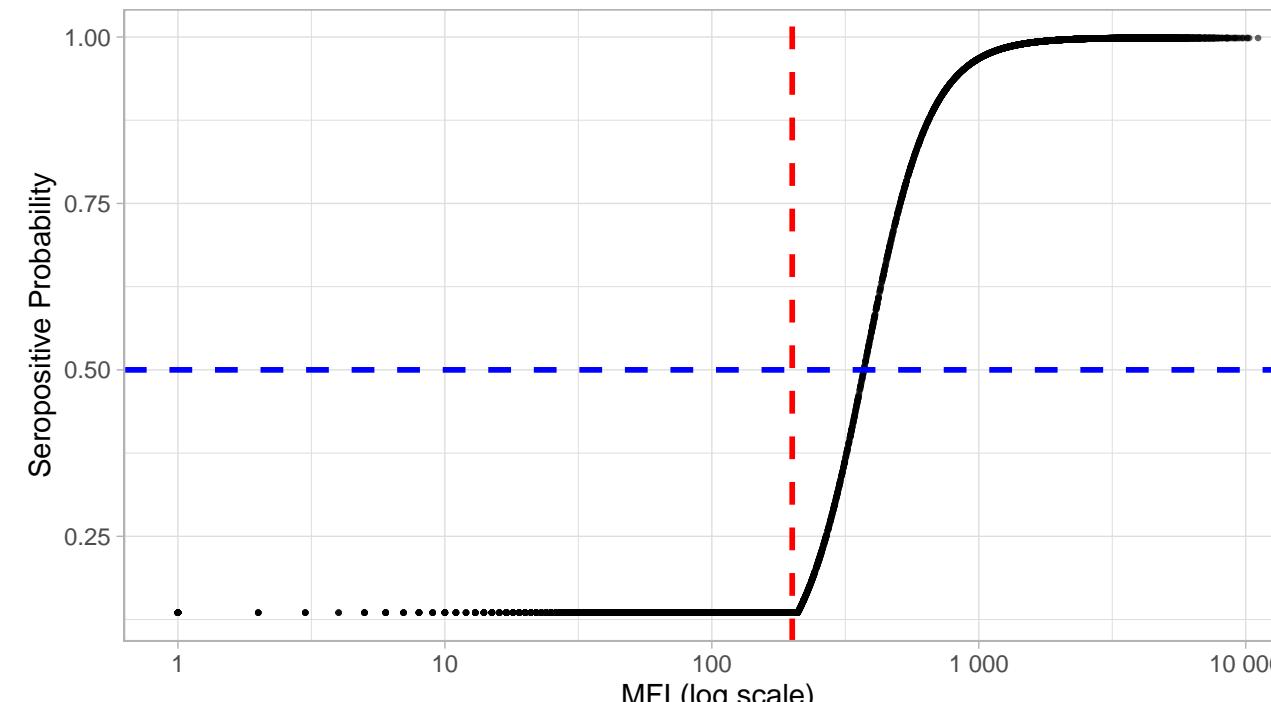


Phenotype Distribution by Classification: cmv_pp28



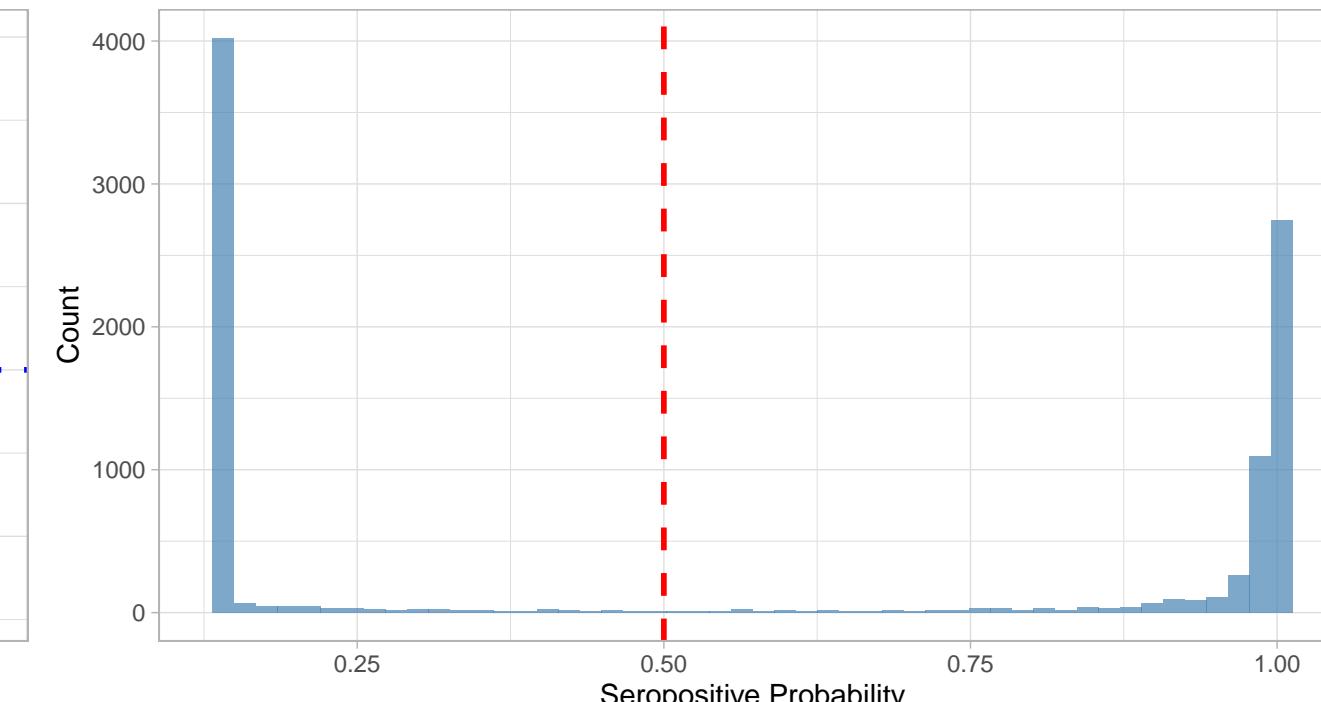
IgG Level vs Seropositive Probability: cmv_pp28

Red line = hard threshold, Blue line = 50% probability



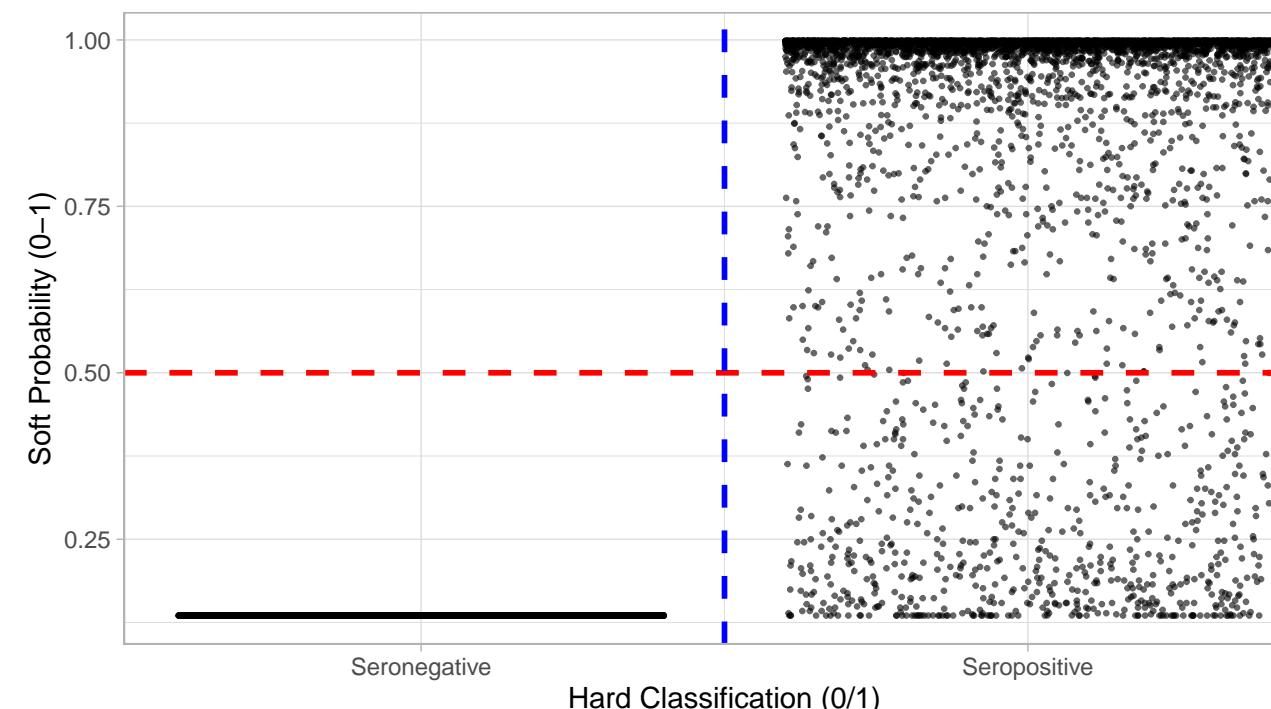
Distribution of Seropositive Probabilities: cmv_pp28

Red line = 50% threshold



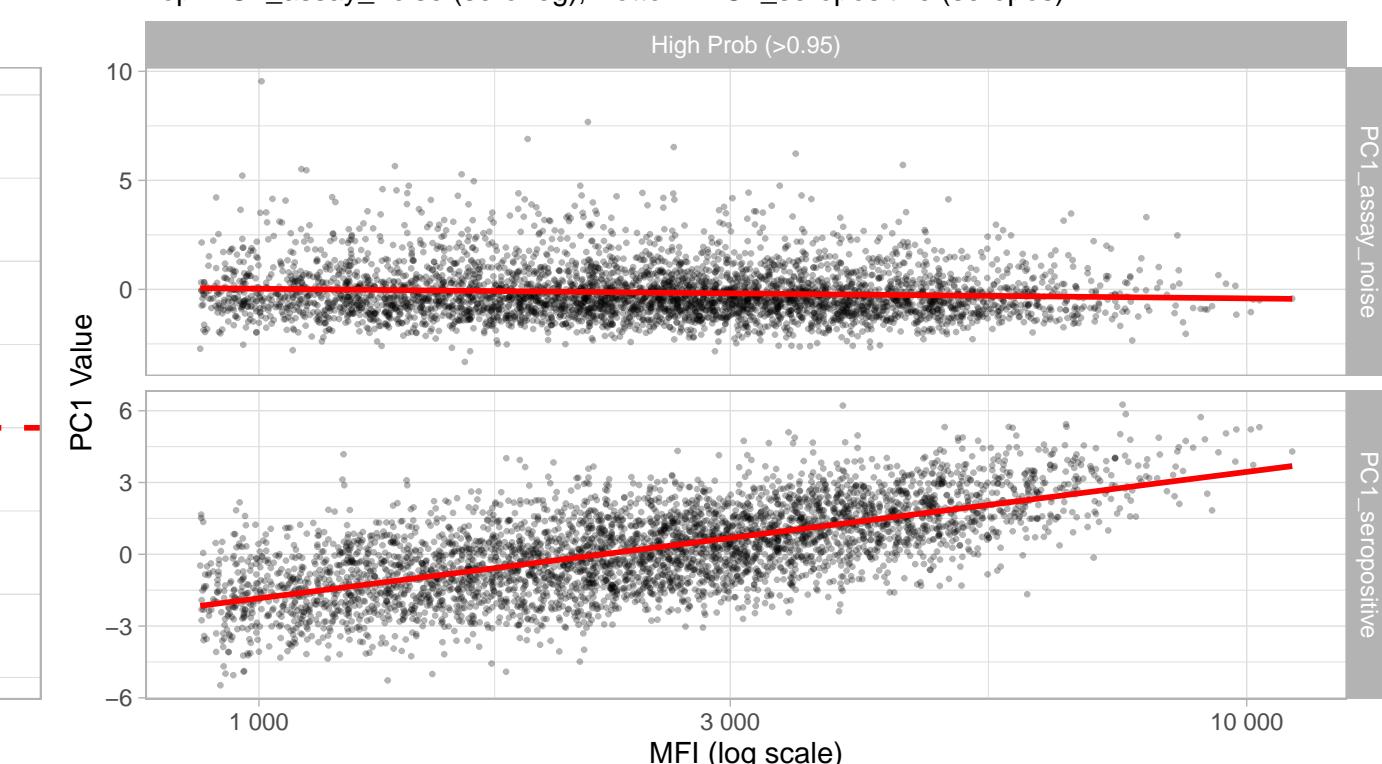
Hard vs Soft Classification: cmv_pp28

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: cmv_pp28

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

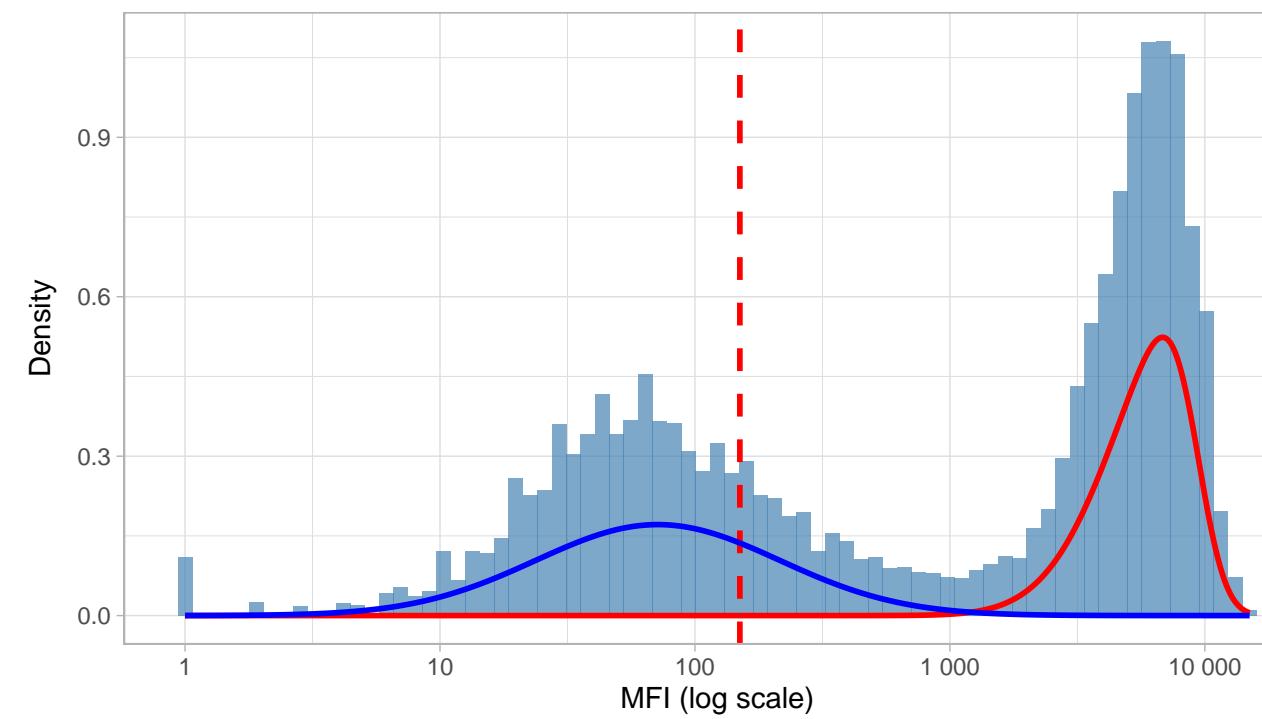


Diagnostics: cmv_pp52

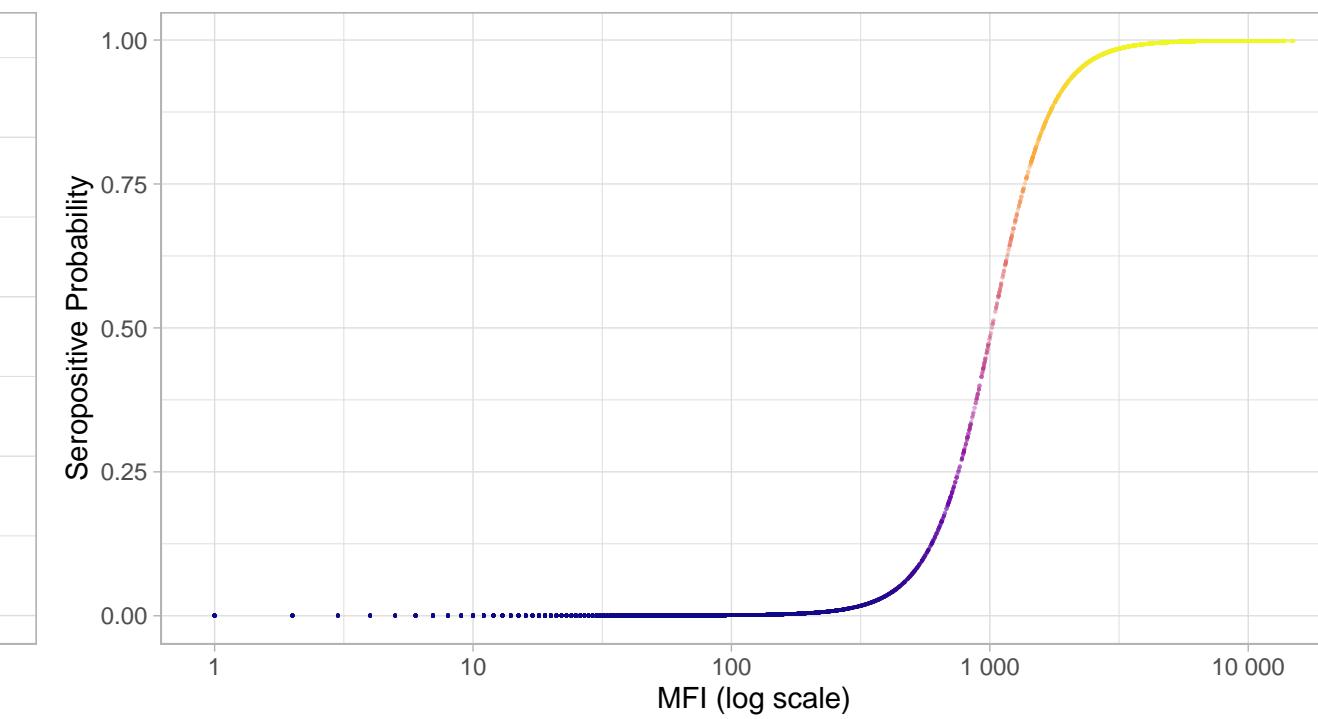
N=9424 | >0.95=4641 | <0.05=4141 | Ambig=642

Original MFI Distribution: cmv_pp52

Hard cutoff threshold = 150

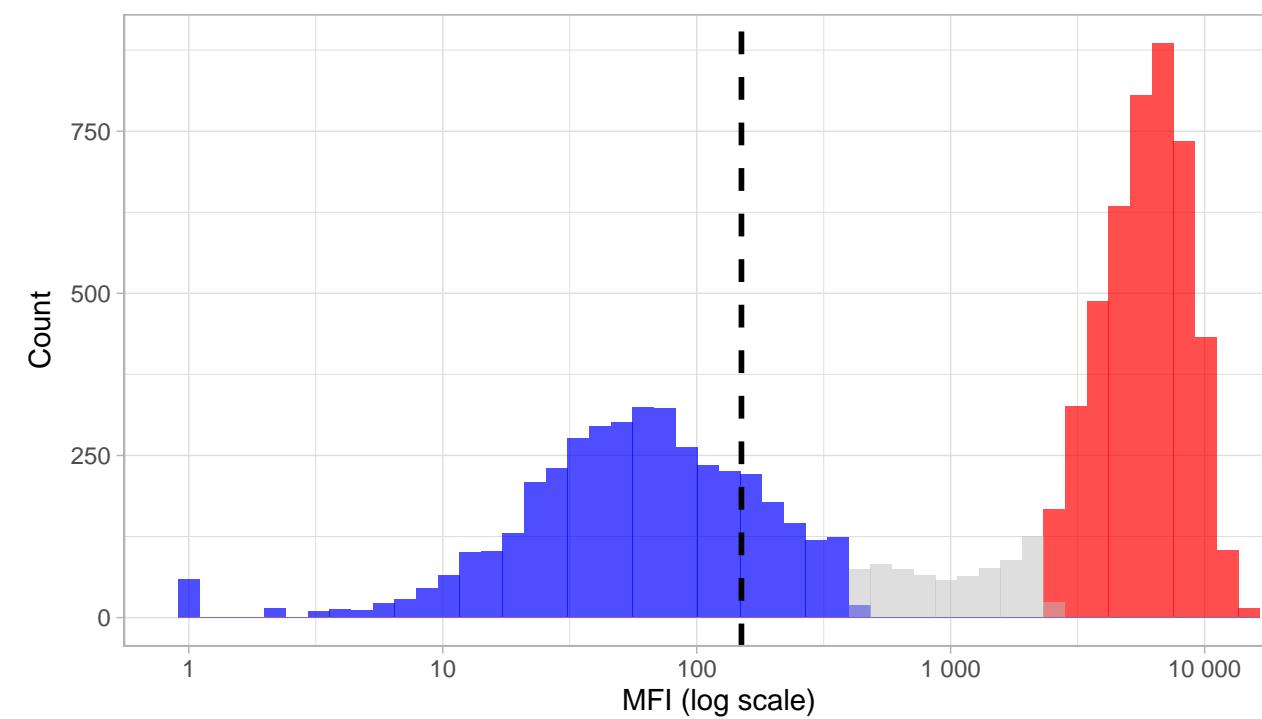


IgG vs Seropositive Probability: cmv_pp52



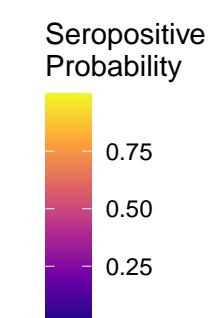
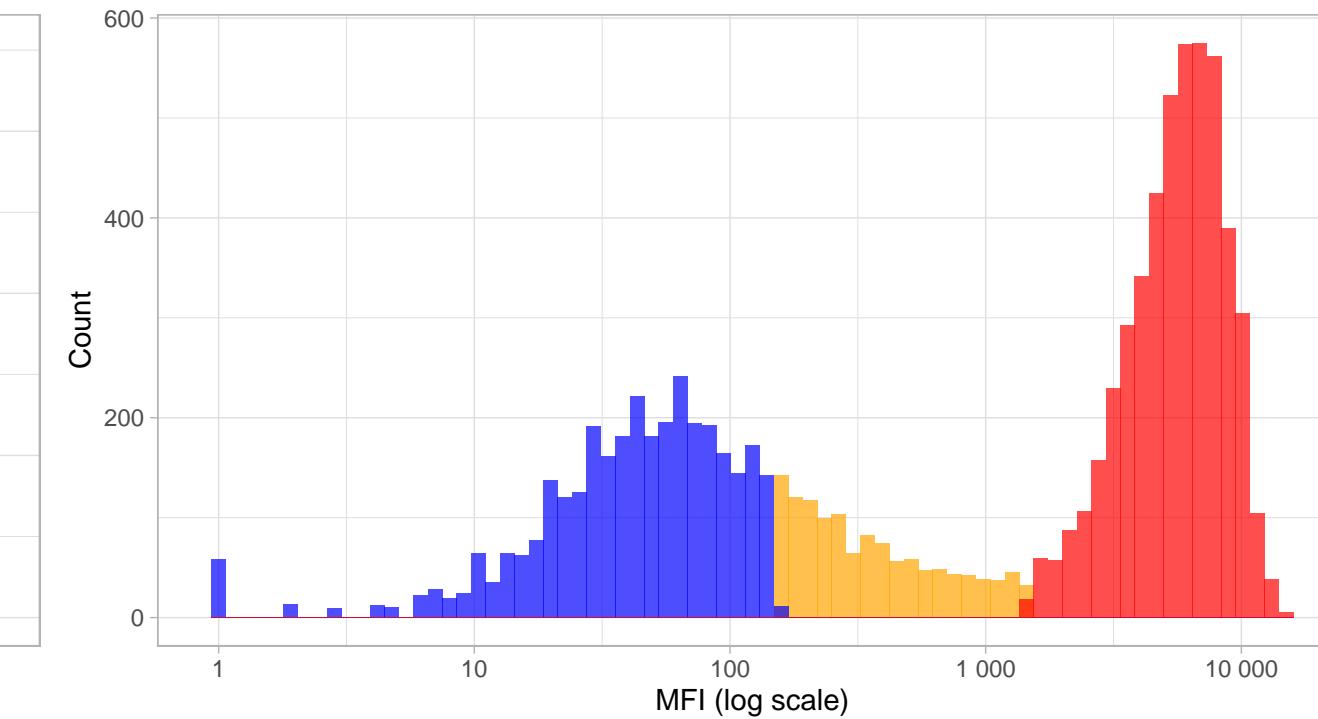
High-Confidence Seropositive Distribution: cmv_pp52

Prob threshold = 0.96



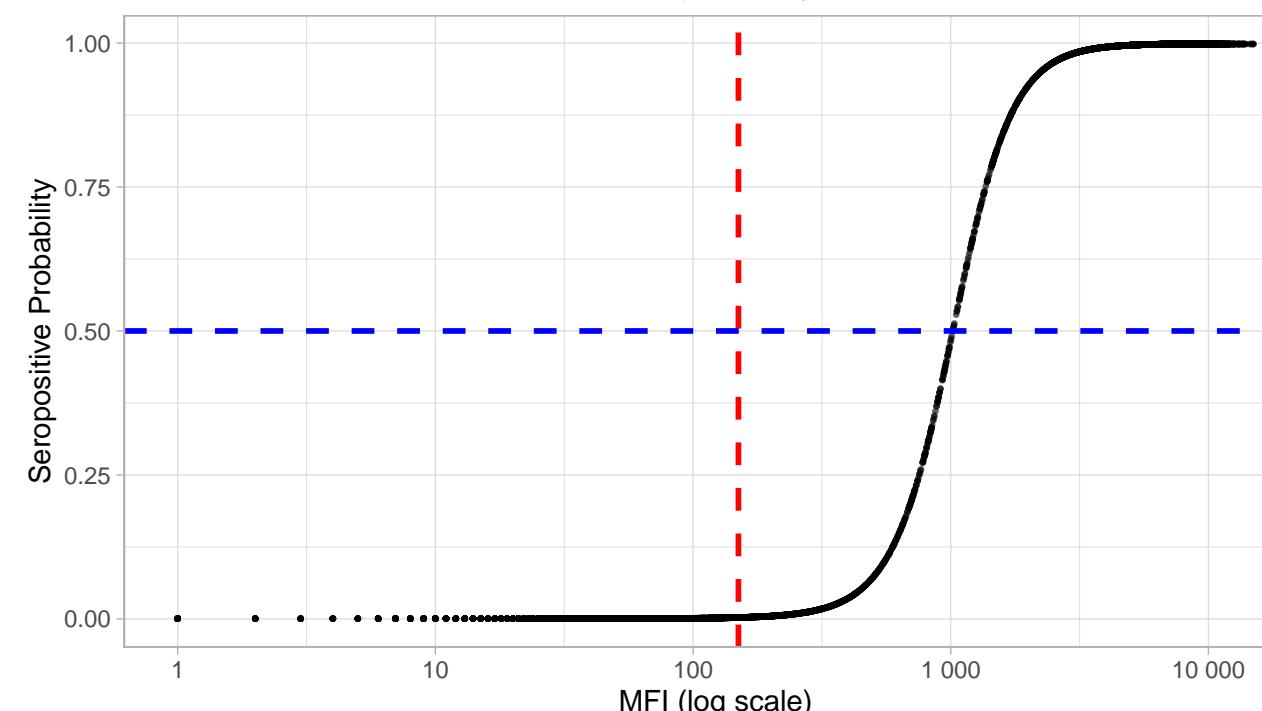
Phenotype Distribution by Classification: cmv_pp52

Comparing hard vs soft classifications



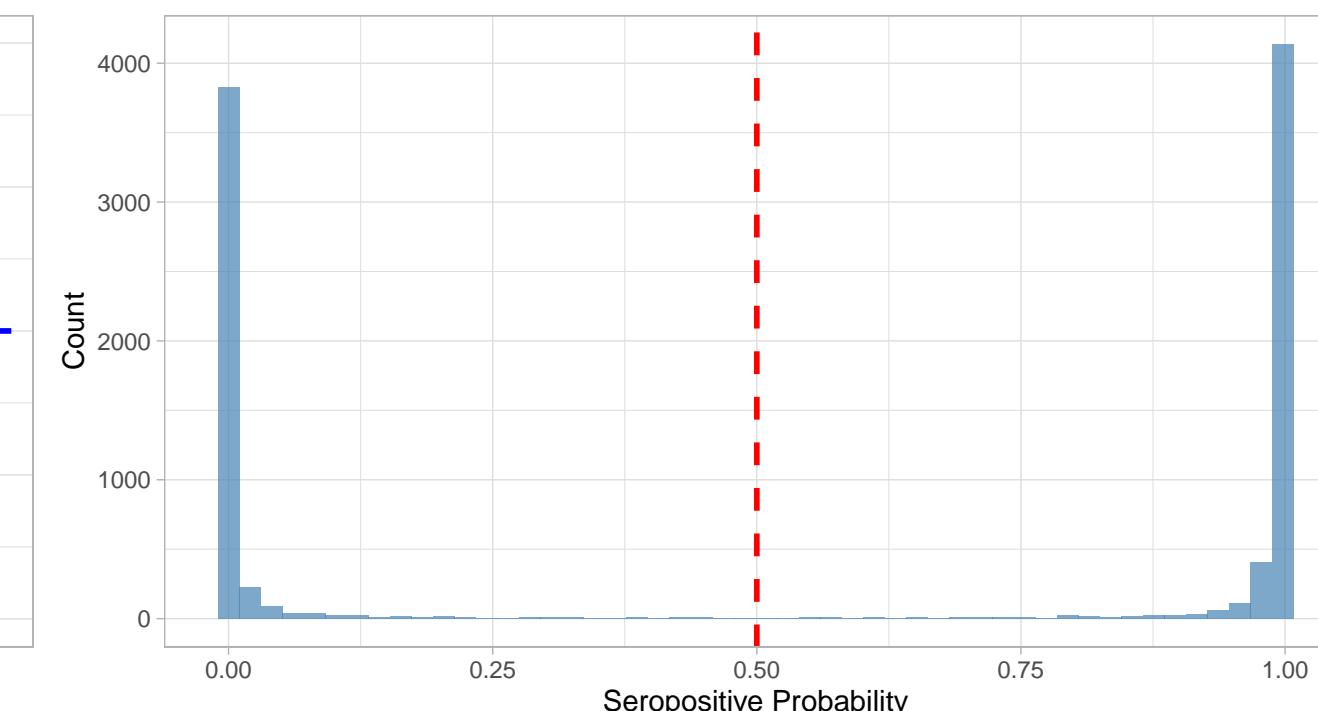
IgG Level vs Seropositive Probability: cmv_pp52

Red line = hard threshold, Blue line = 50% probability



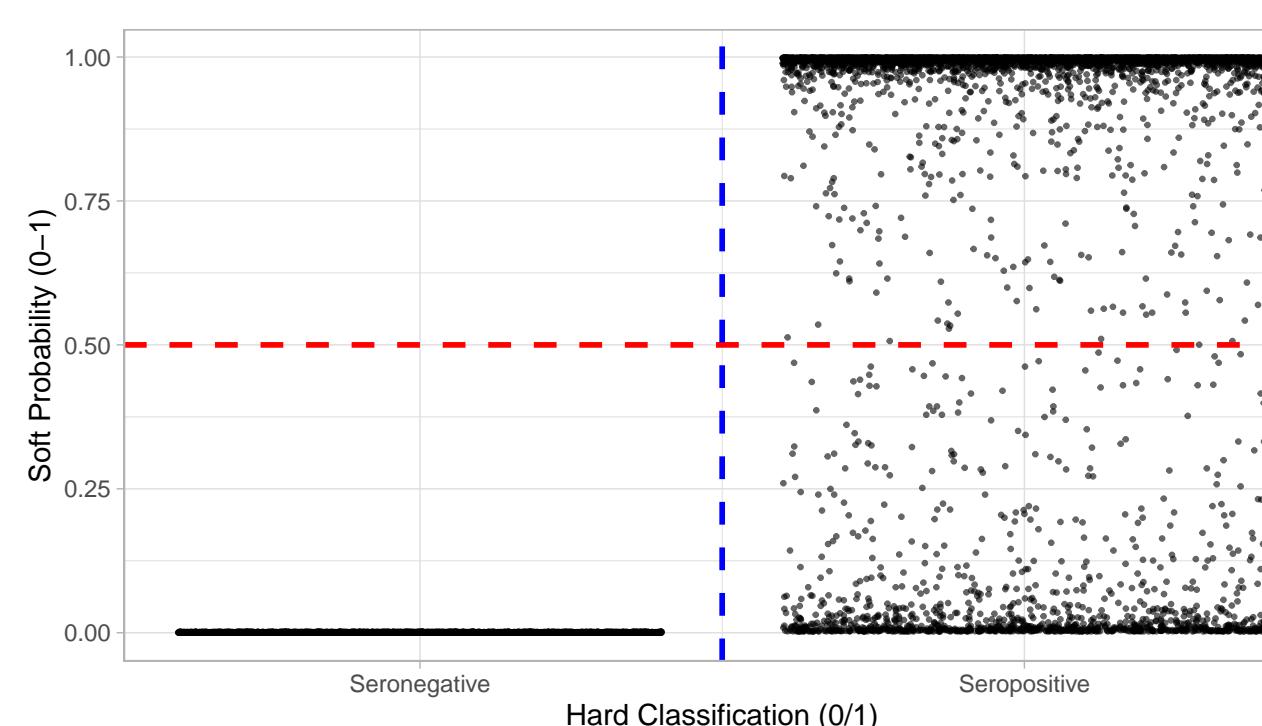
Distribution of Seropositive Probabilities: cmv_pp52

Red line = 50% threshold



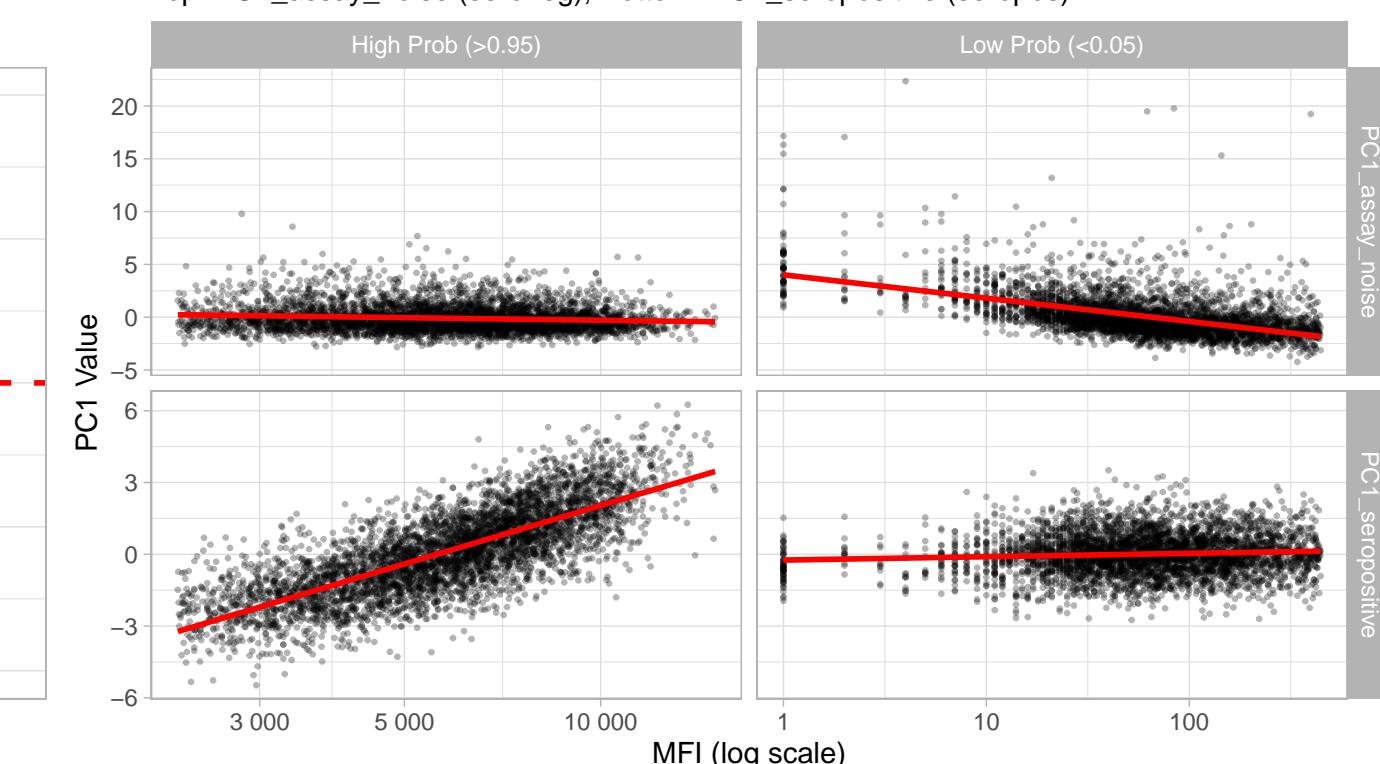
Hard vs Soft Classification: cmv_pp52

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: cmv_pp52

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

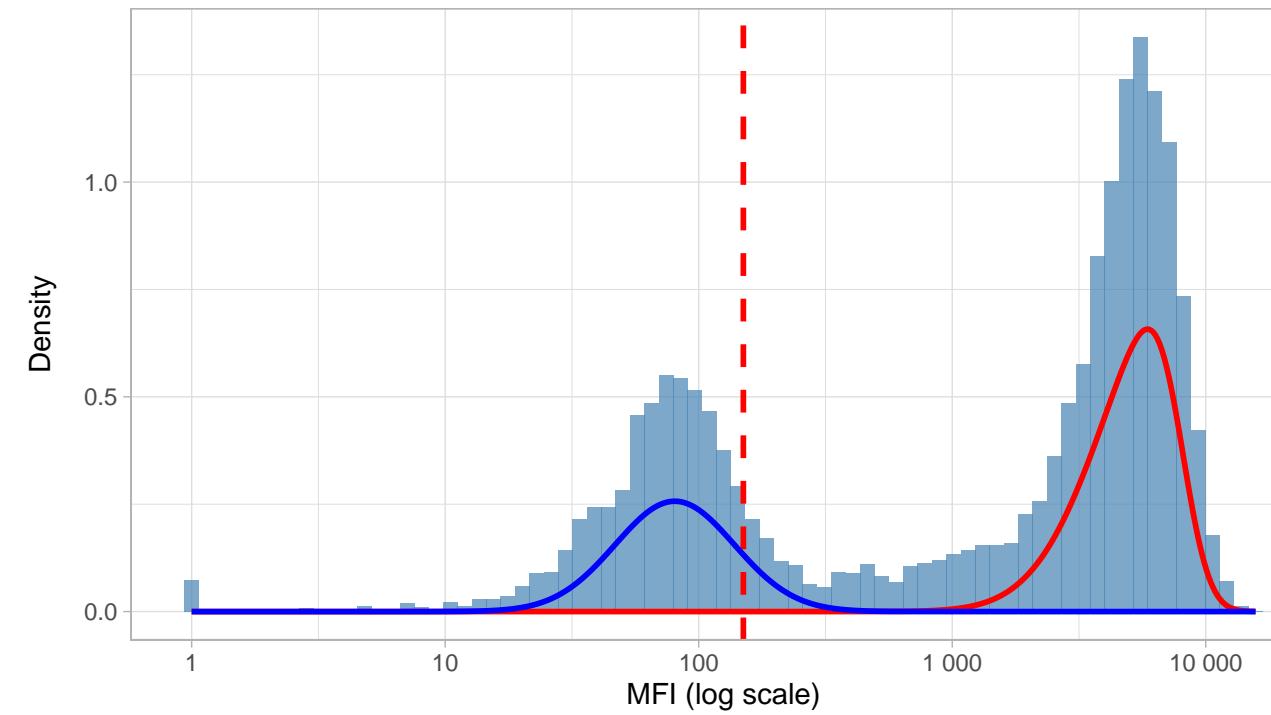


Diagnostics: hsv1

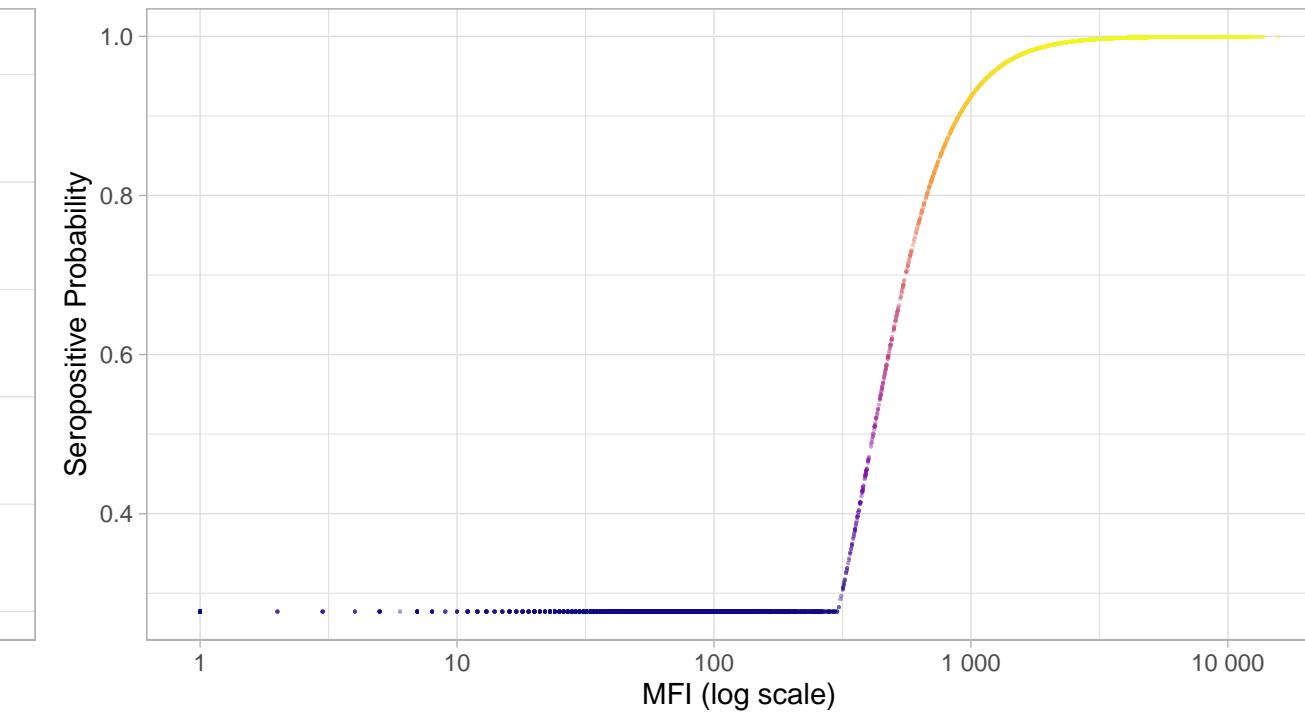
N=9424 | >0.95=5650 | <0.05=0 | Ambig=3774

Original MFI Distribution: hsv1

Hard cutoff threshold = 150

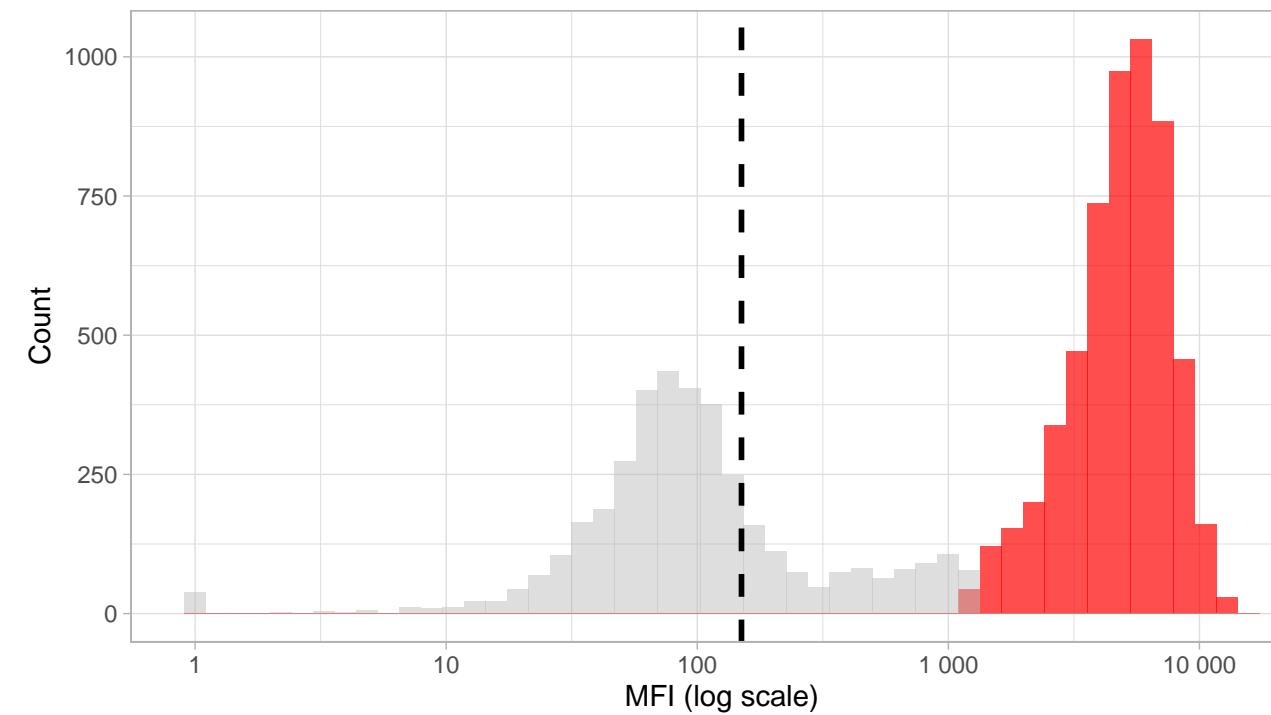


IgG vs Seropositive Probability: hsv1



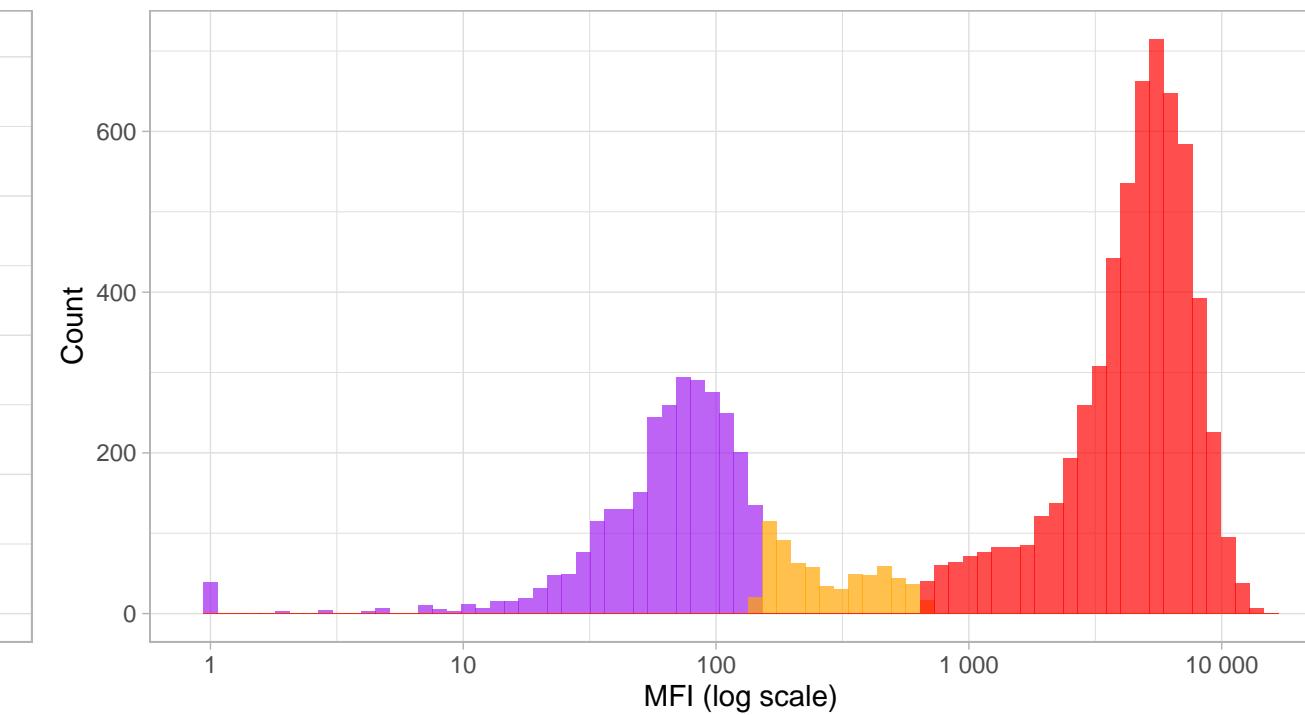
High-Confidence Seropositive Distribution: hsv1

Prob threshold = 0.96



Phenotype Distribution by Classification: hsv1

Comparing hard vs soft classifications



Seropositive Probability

Classification

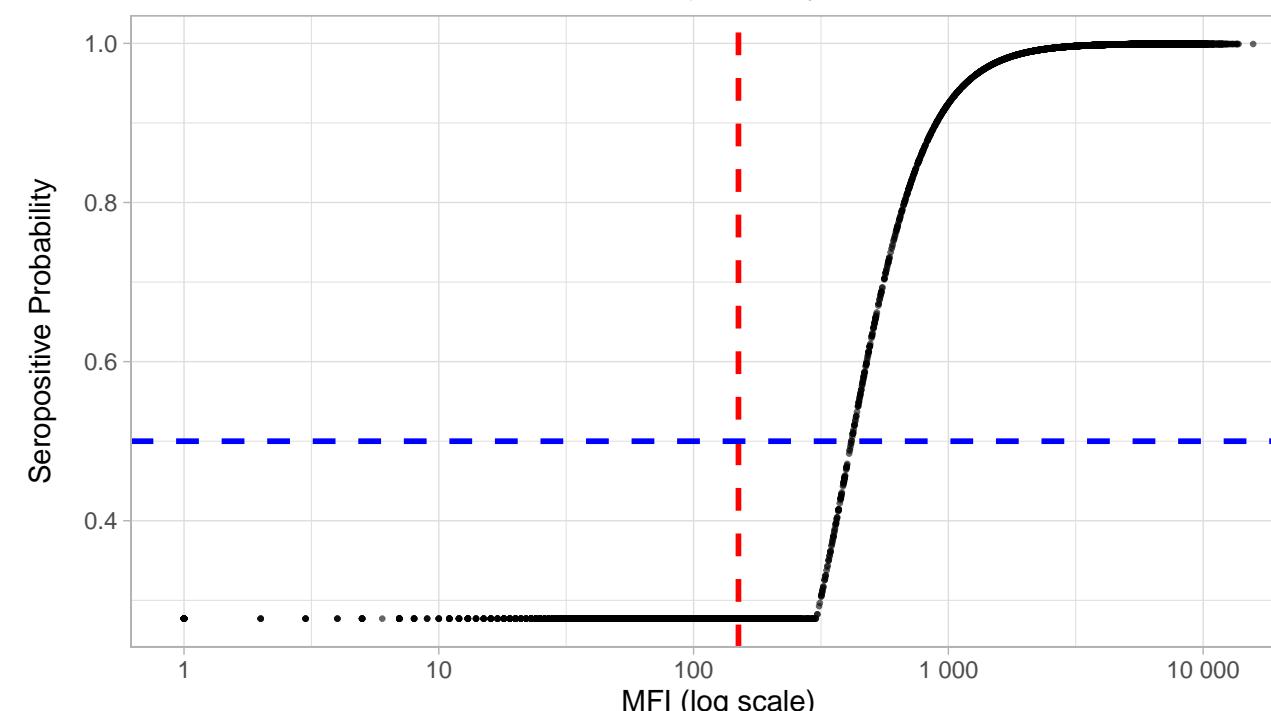
- Ambiguous
- High-conf Seropositive

Classification

- Hard Negative, Soft High
- Hard Positive, Soft Low
- Hard+Soft Positive

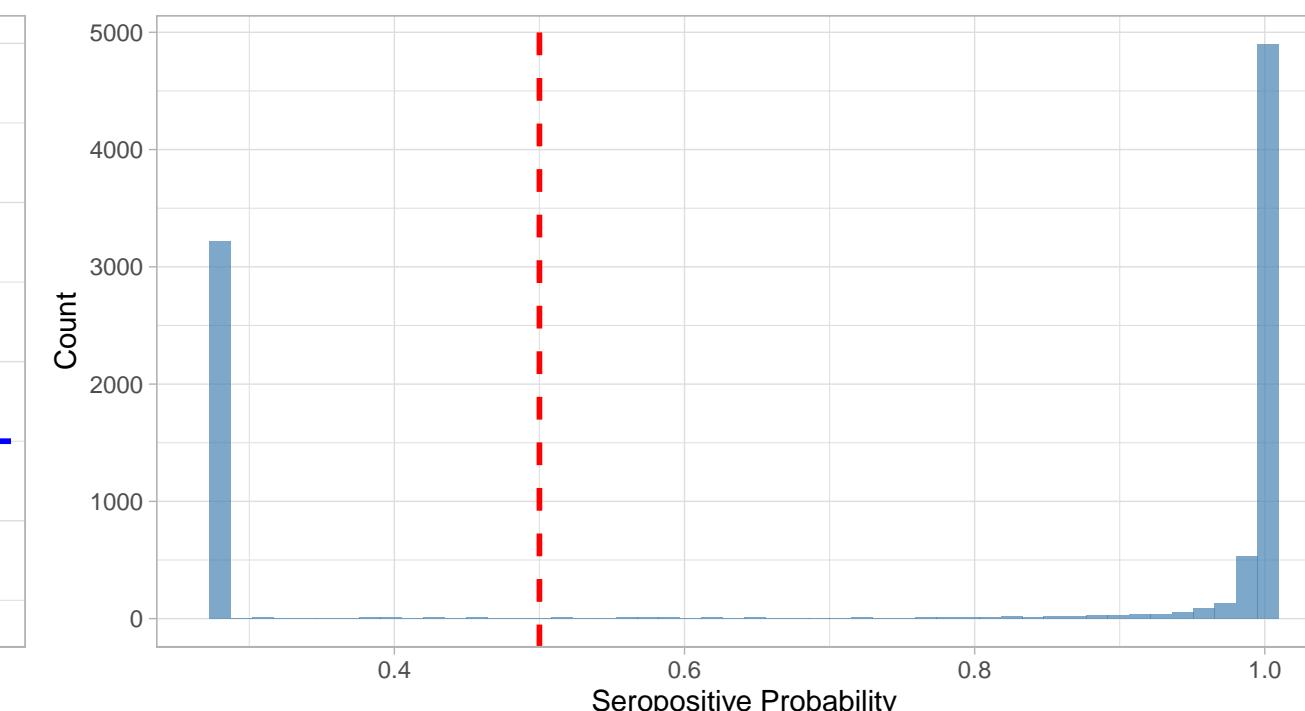
IgG Level vs Seropositive Probability: hsv1

Red line = hard threshold, Blue line = 50% probability



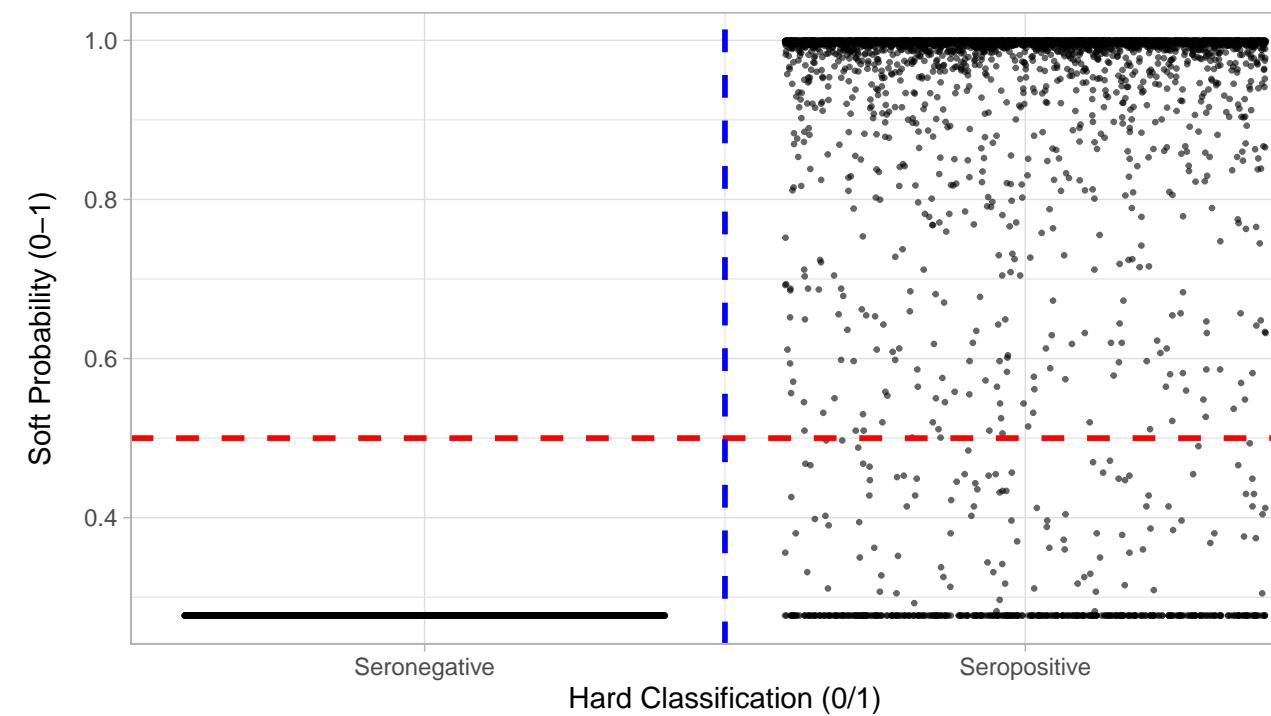
Distribution of Seropositive Probabilities: hsv1

Red line = 50% threshold



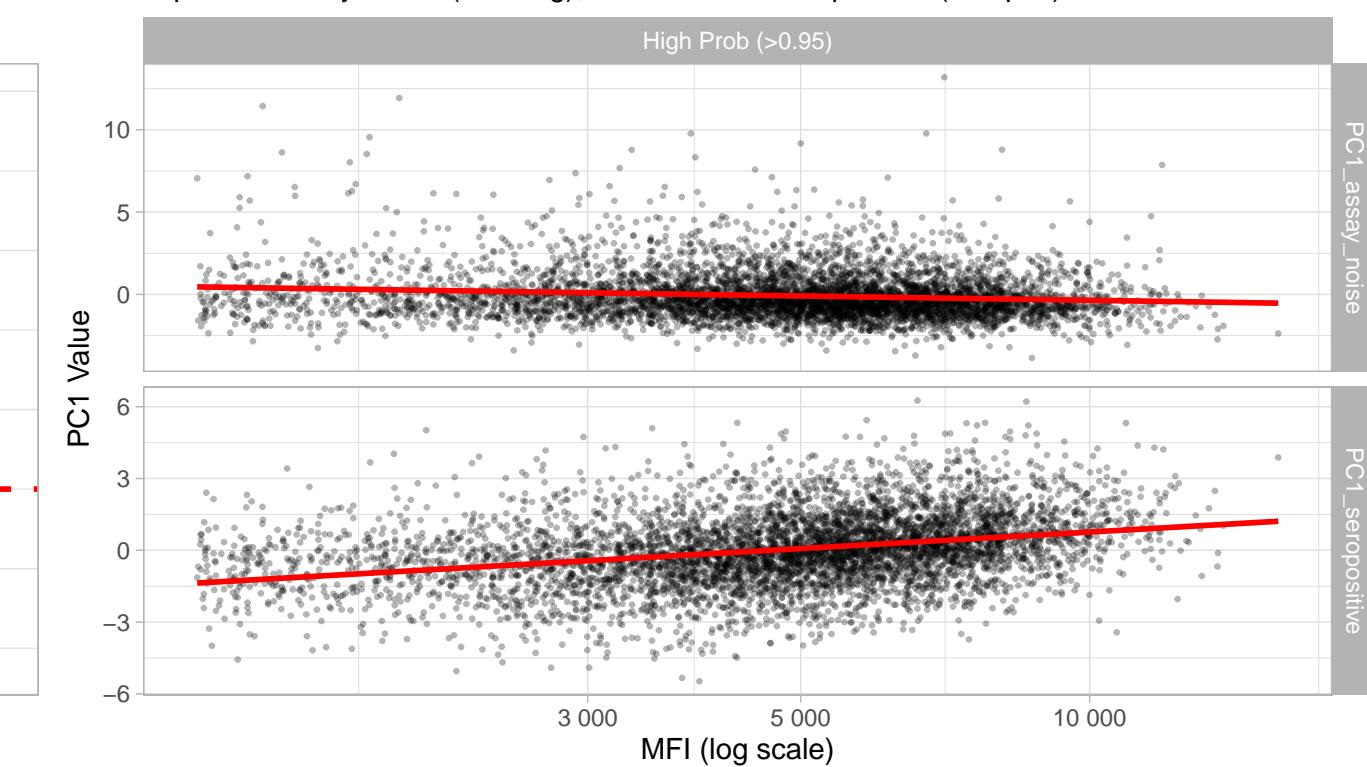
Hard vs Soft Classification: hsv1

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hsv1

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

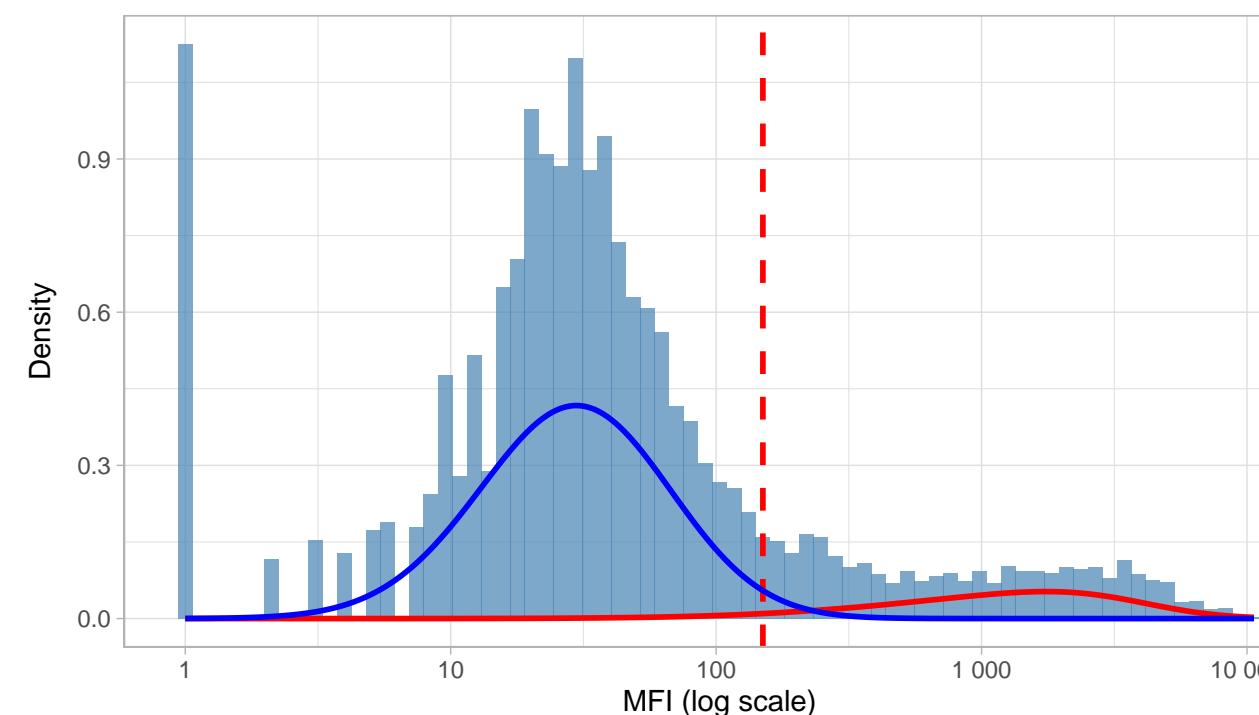


Diagnostics: hsv2

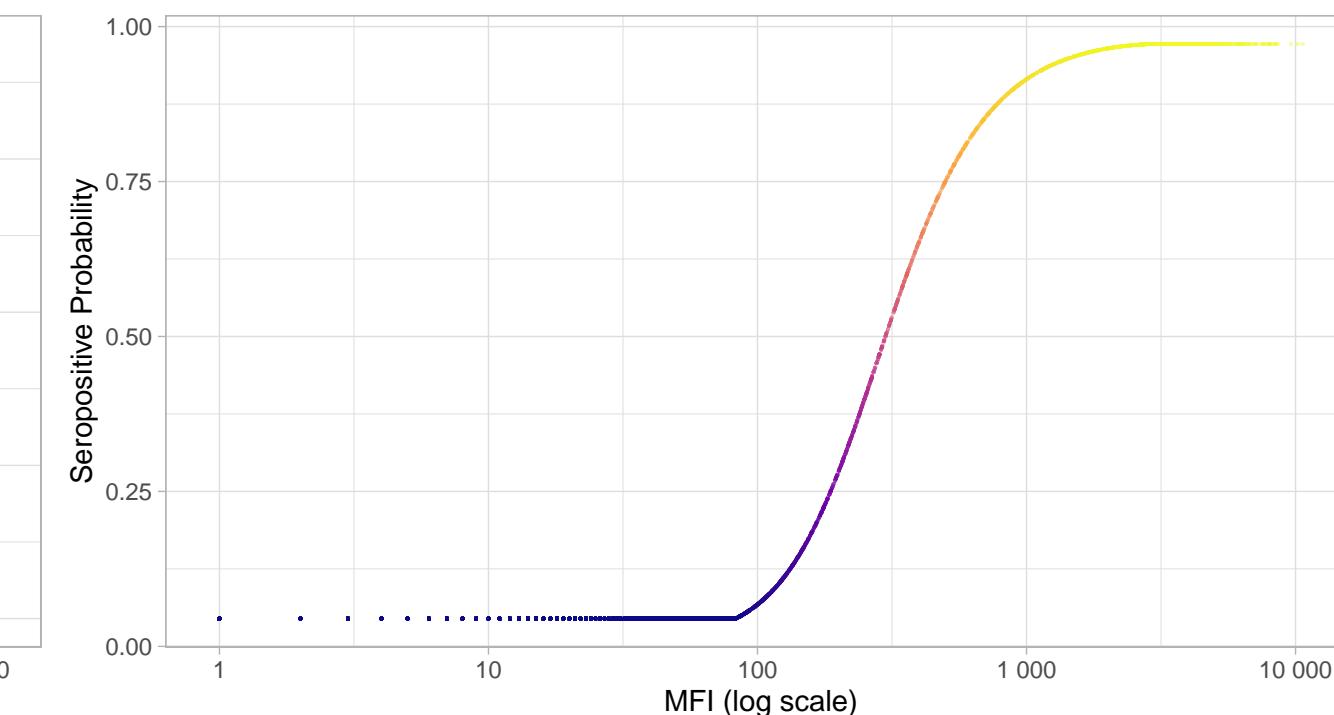
N=9424 | >0.95=540 | <0.05=7361 | Ambig=1523

Original MFI Distribution: hsv2

Hard cutoff threshold = 150

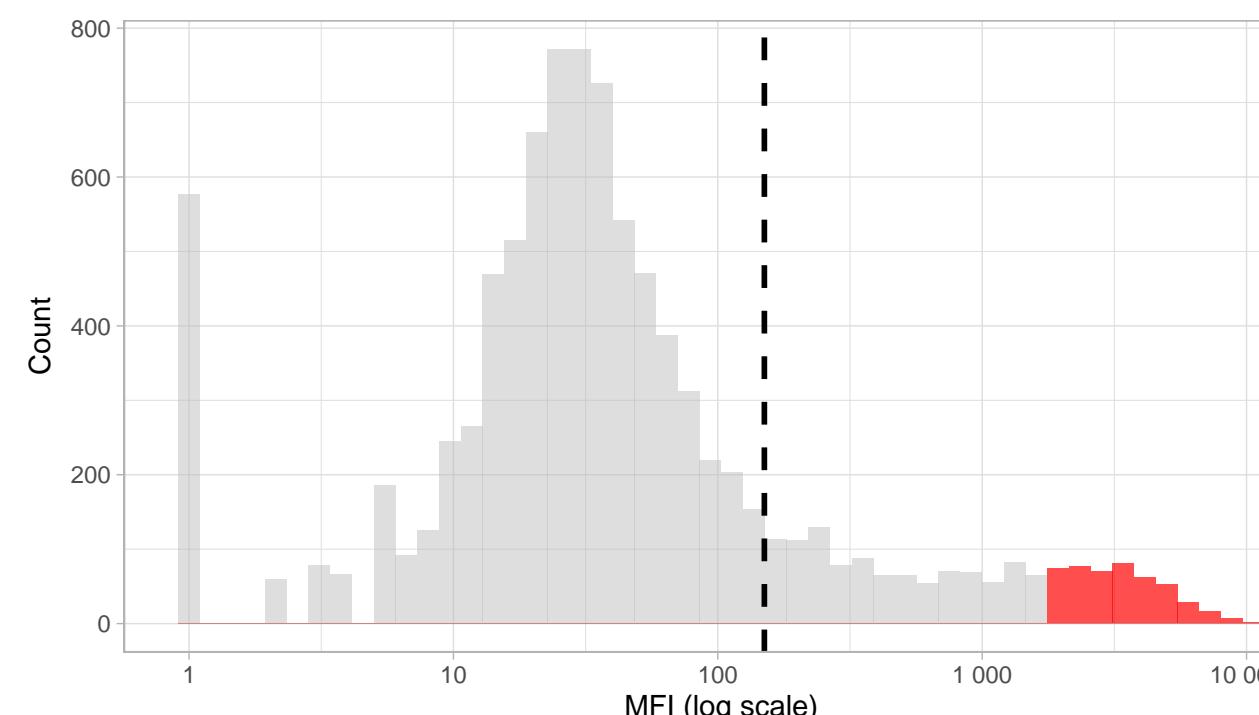


IgG vs Seropositive Probability: hsv2



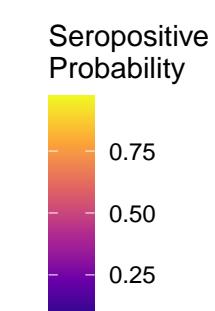
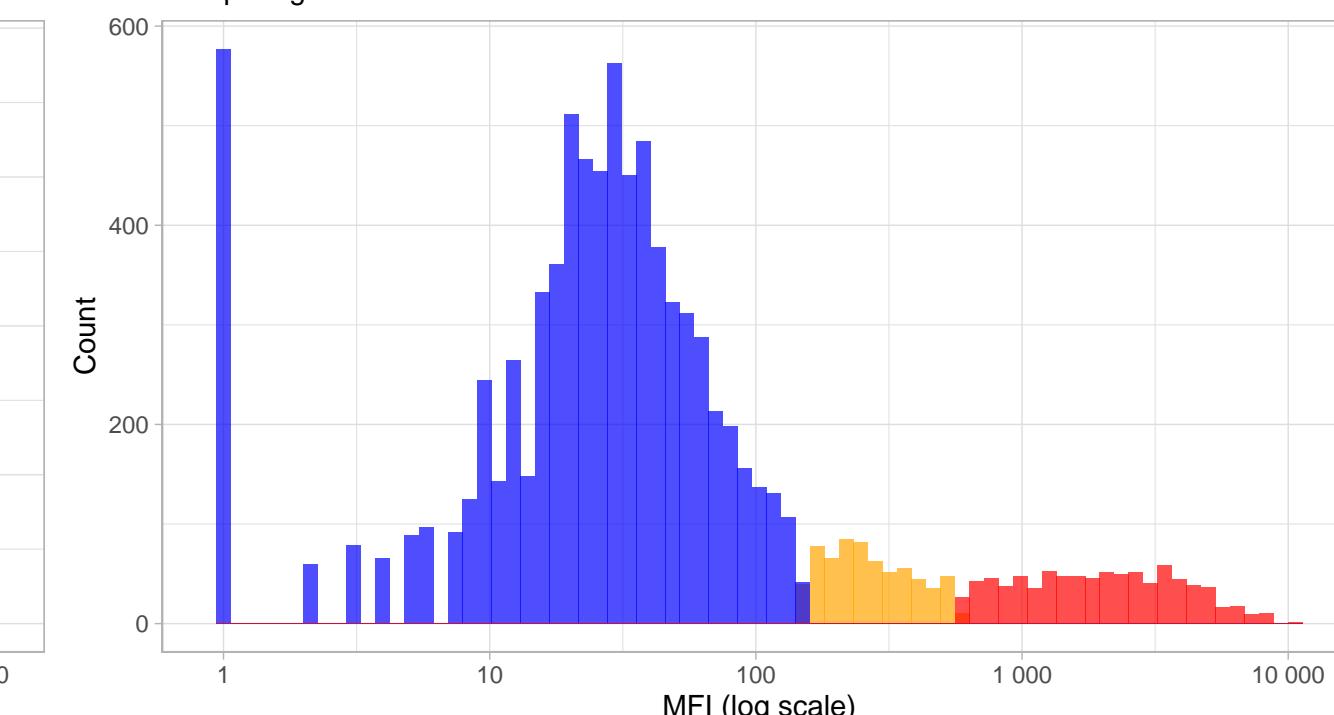
High-Confidence Seropositive Distribution: hsv2

Prob threshold = 0.96



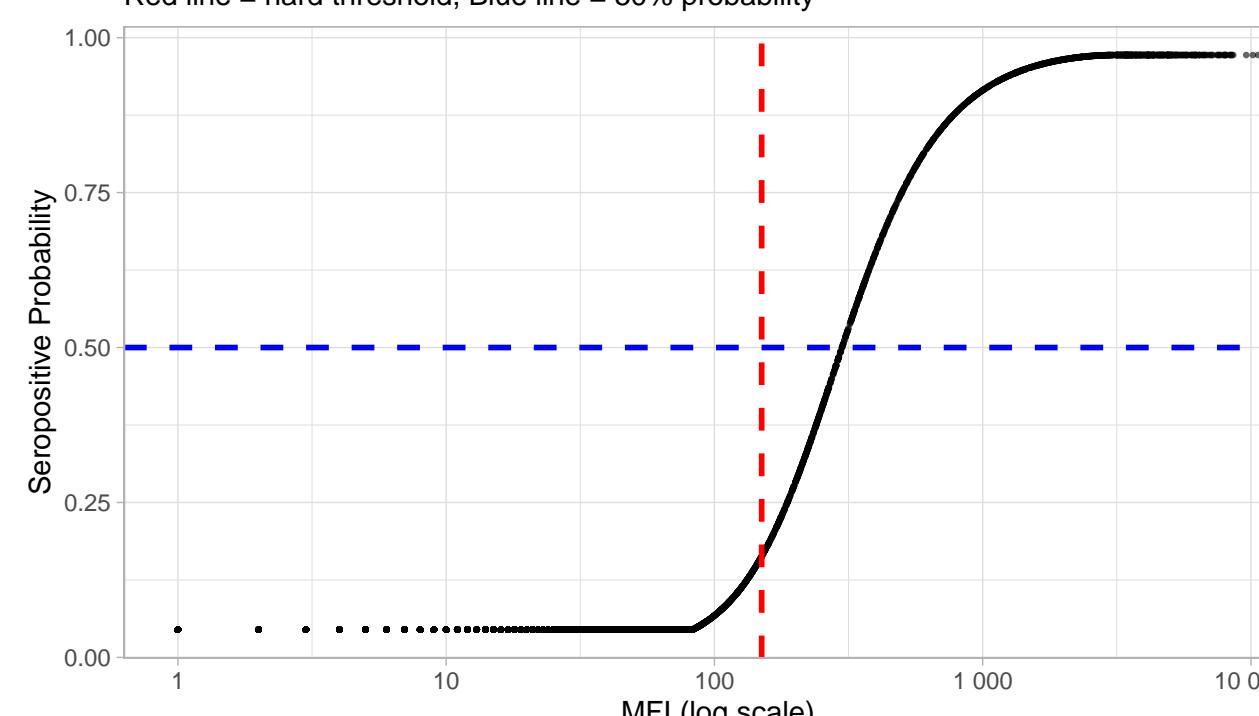
Phenotype Distribution by Classification: hsv2

Comparing hard vs soft classifications



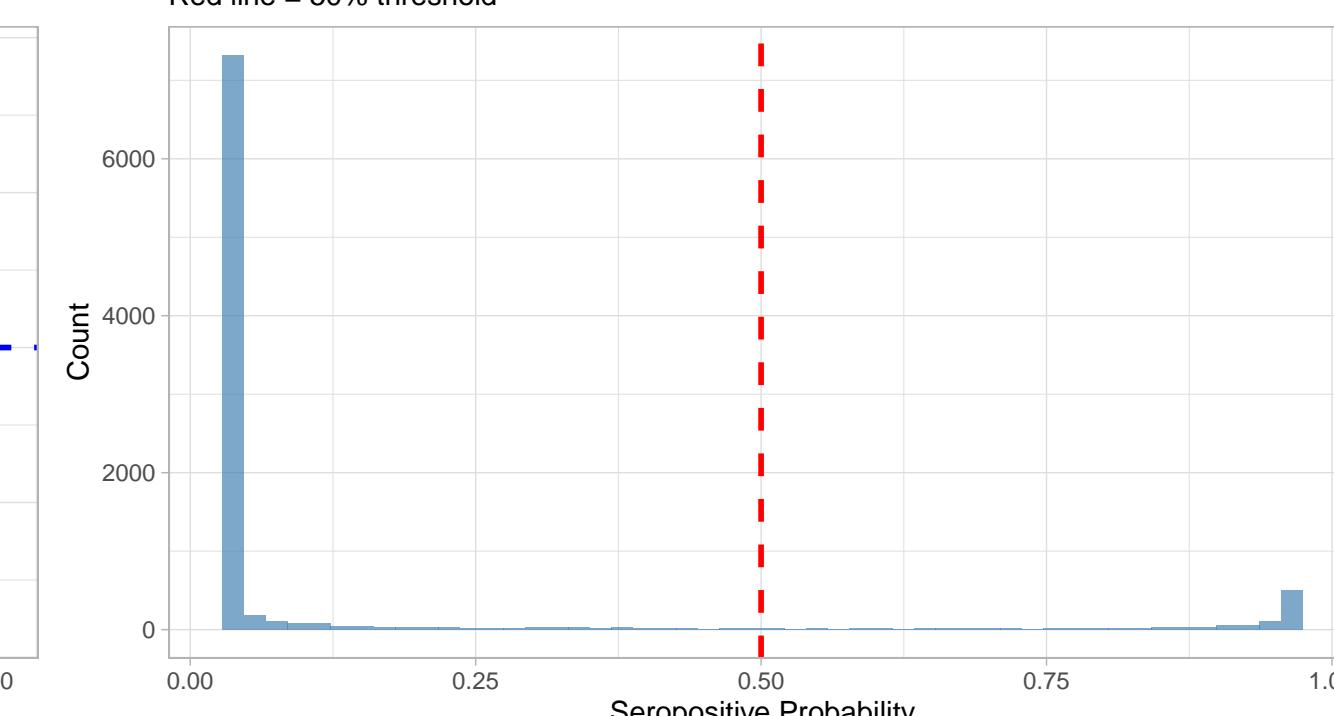
IgG Level vs Seropositive Probability: hsv2

Red line = hard threshold, Blue line = 50% probability



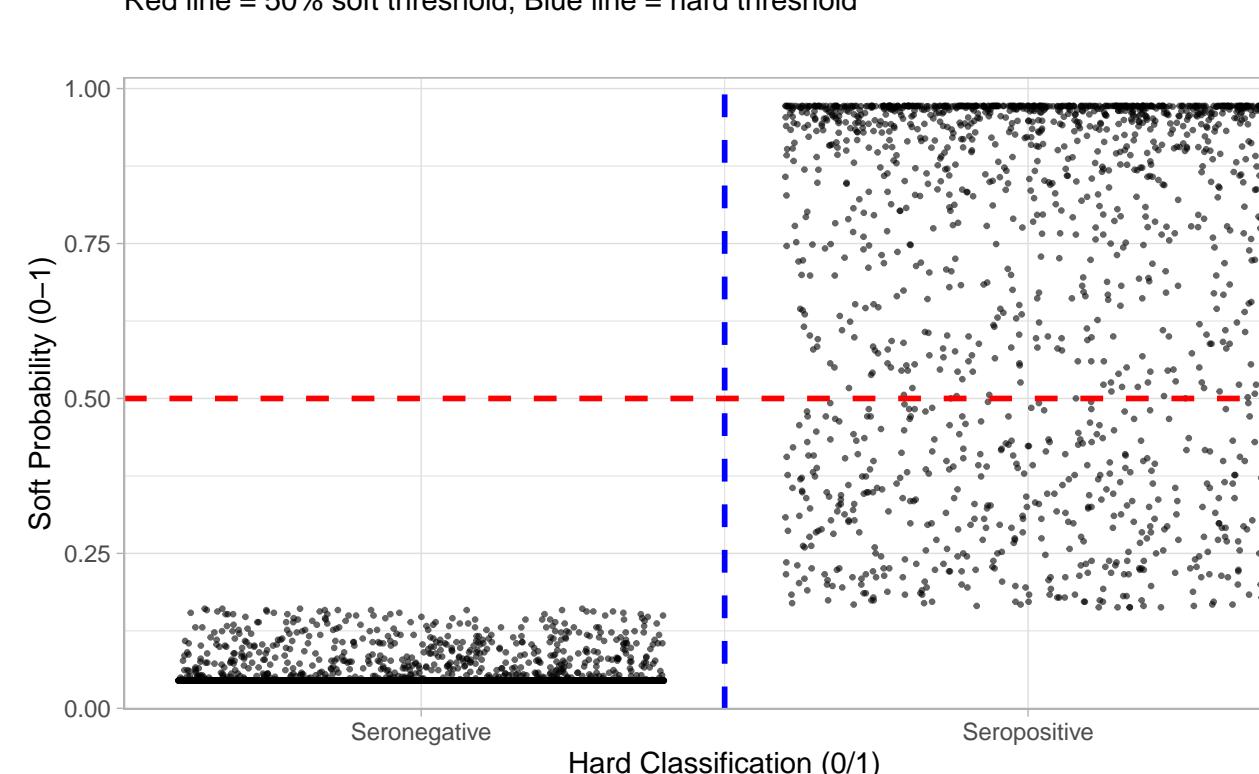
Distribution of Seropositive Probabilities: hsv2

Red line = 50% threshold



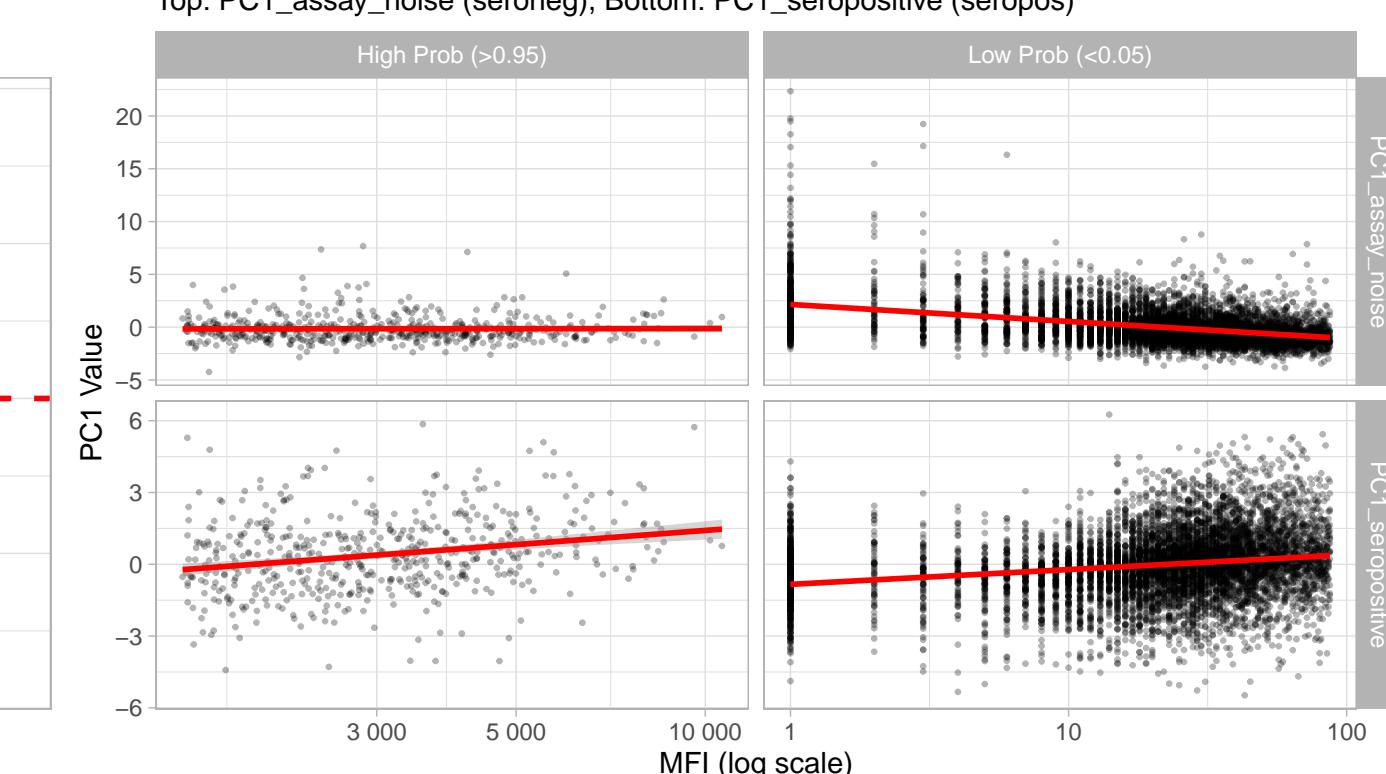
Hard vs Soft Classification: hsv2

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hsv2

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

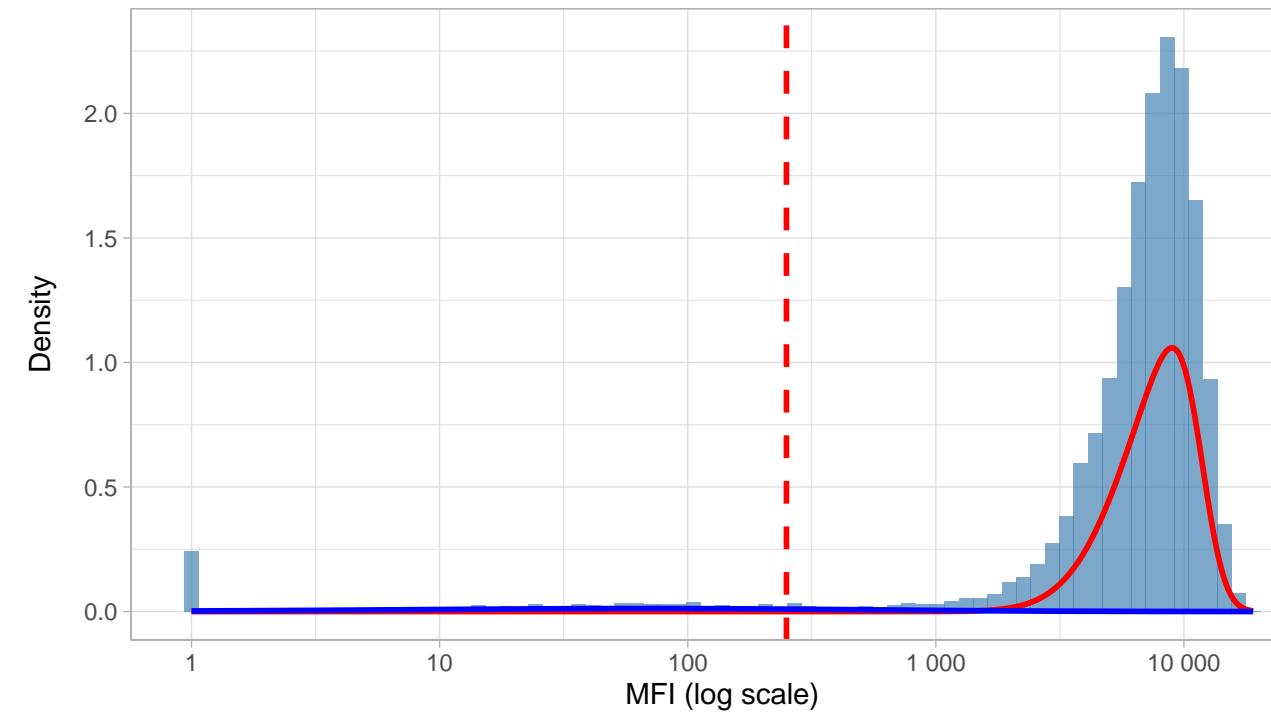


Diagnostics: ebv_vca

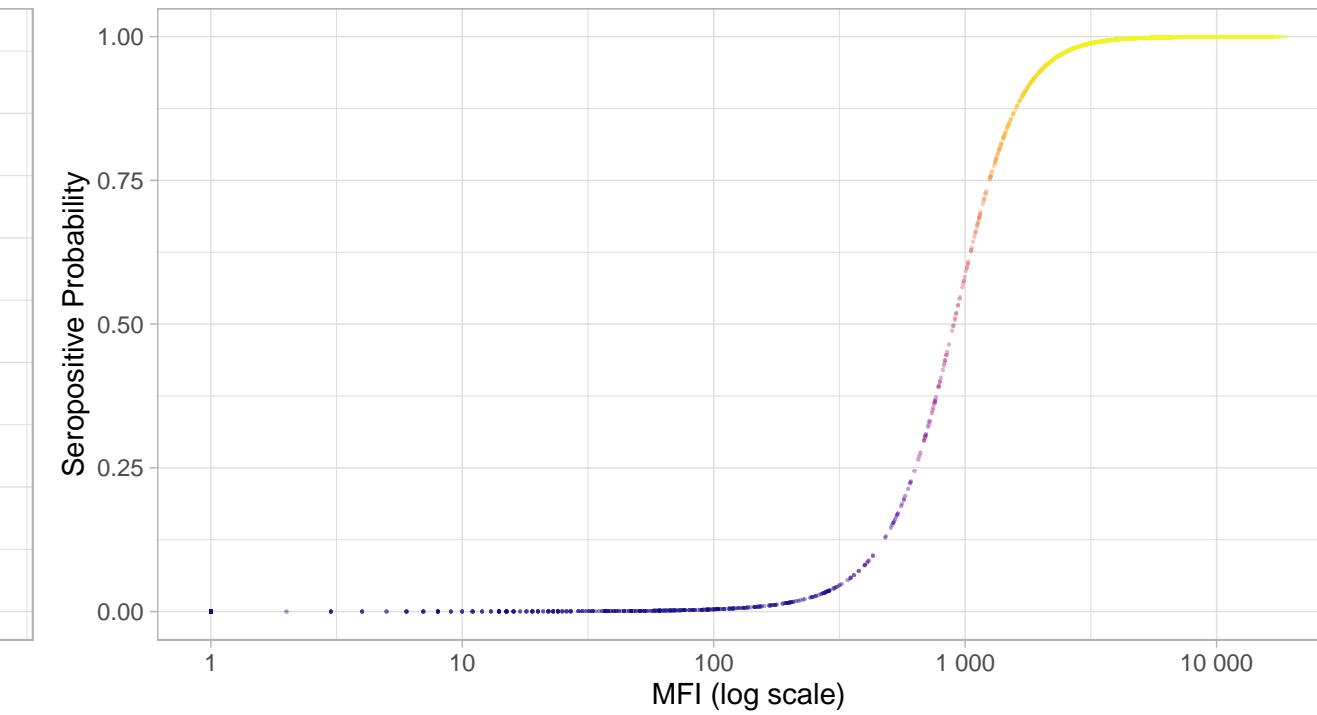
N=9424 | >0.95=8641 | <0.05=502 | Ambig=281

Original MFI Distribution: ebv_vca

Hard cutoff threshold = 250

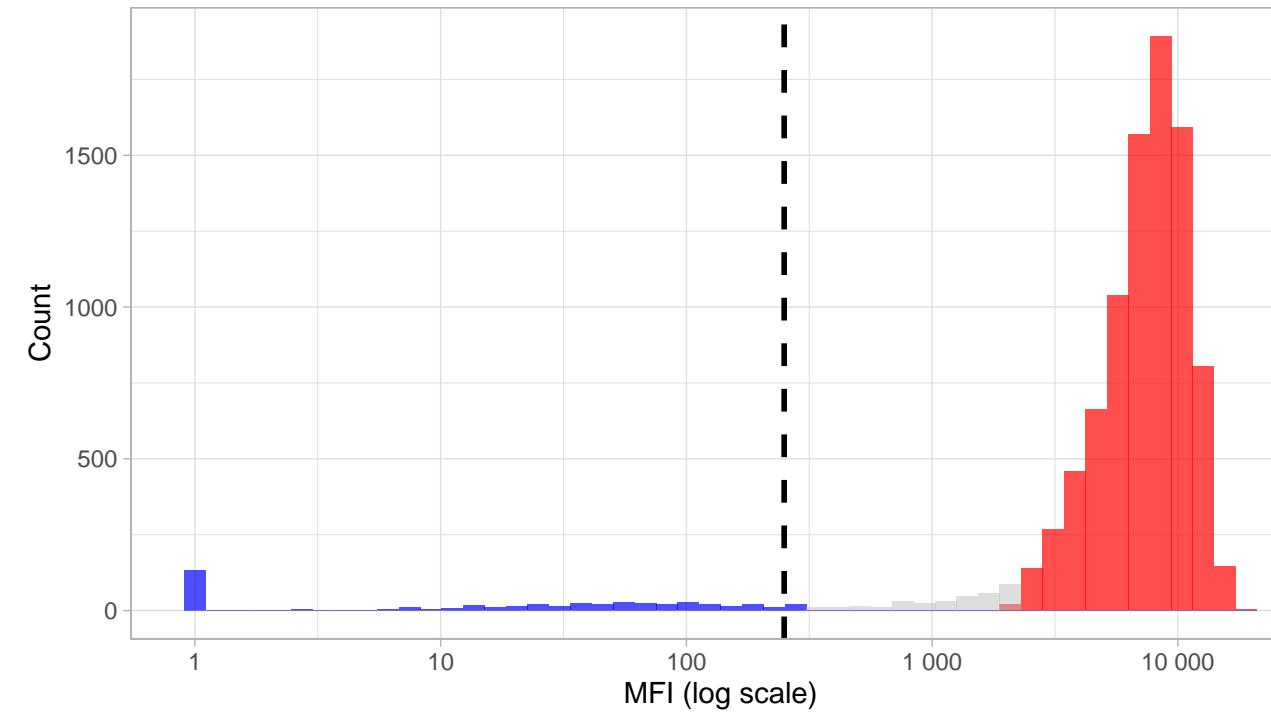


IgG vs Seropositive Probability: ebv_vca



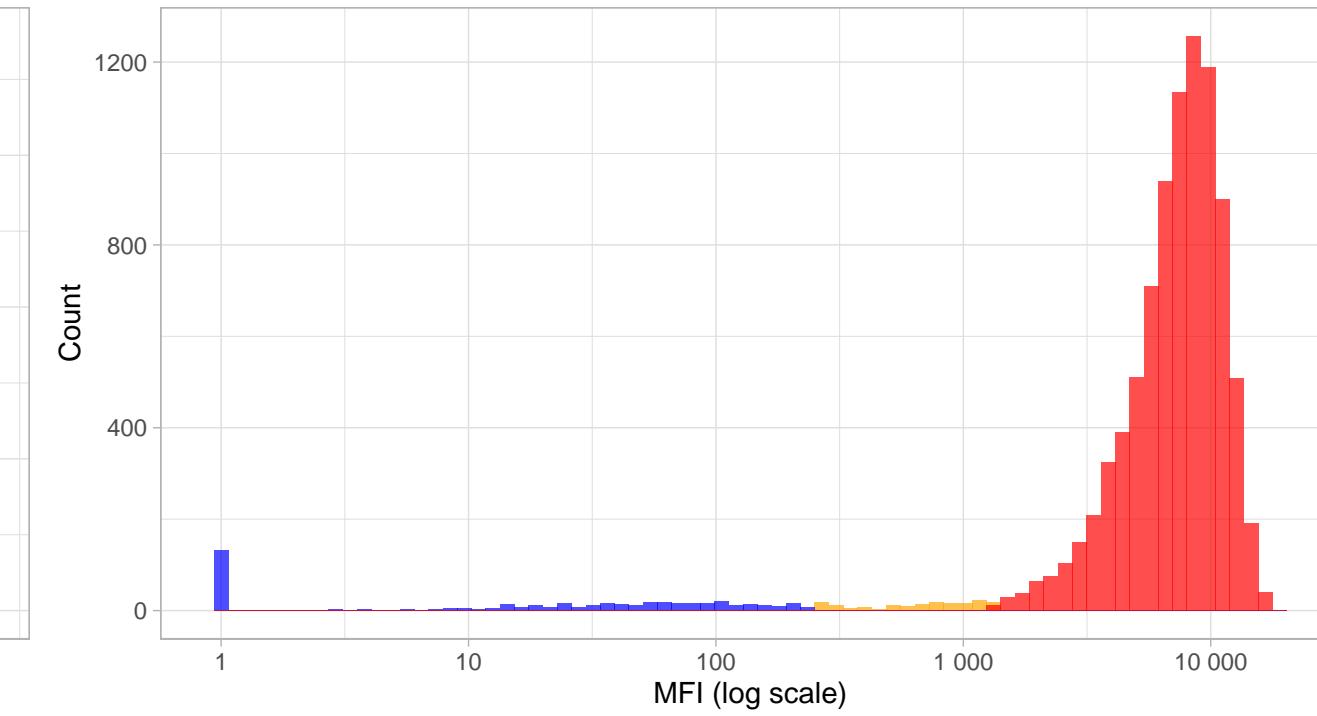
High-Confidence Seropositive Distribution: ebv_vca

Prob threshold = 0.96



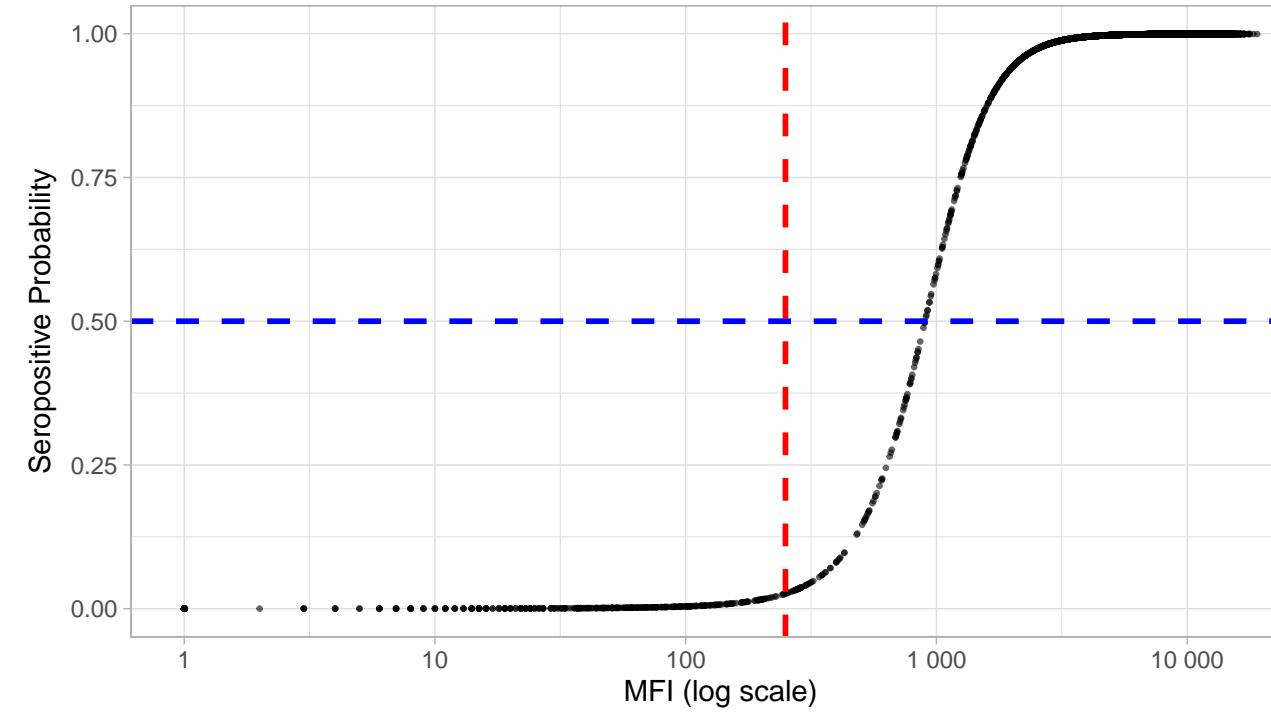
Phenotype Distribution by Classification: ebv_vca

Comparing hard vs soft classifications



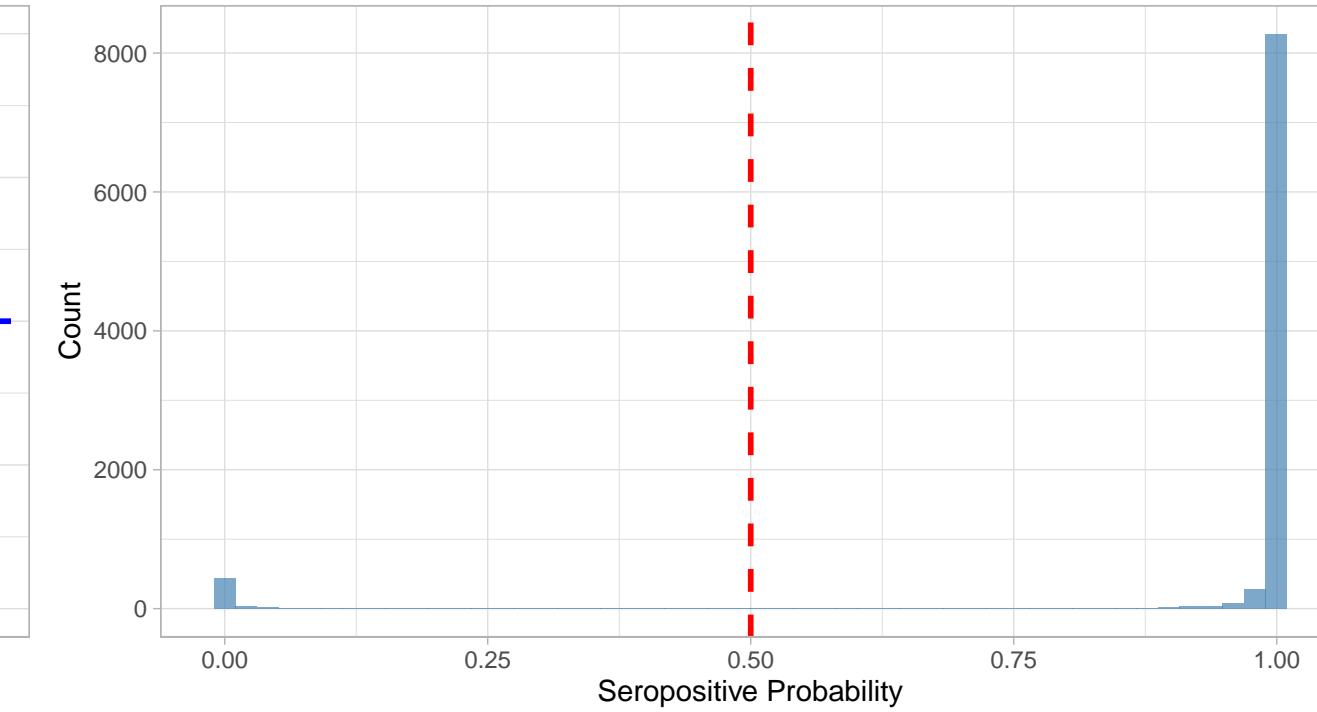
IgG Level vs Seropositive Probability: ebv_vca

Red line = hard threshold, Blue line = 50% probability



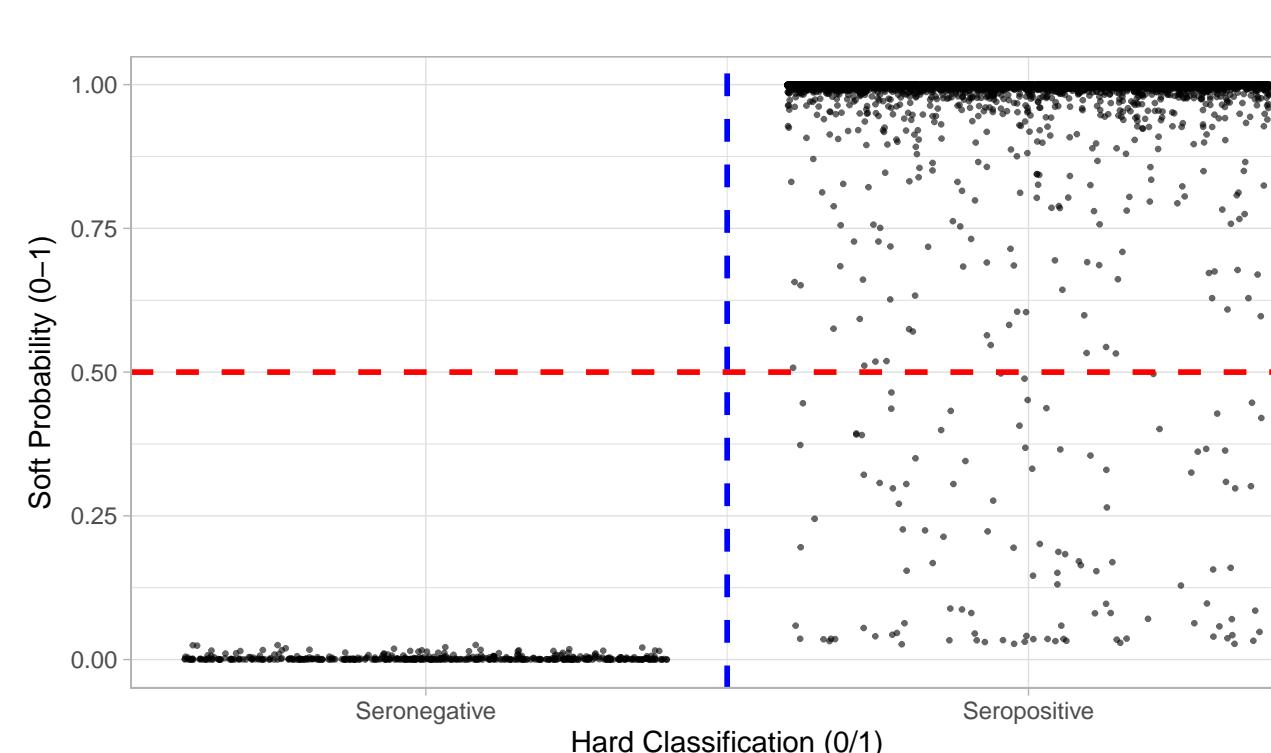
Distribution of Seropositive Probabilities: ebv_vca

Red line = 50% threshold



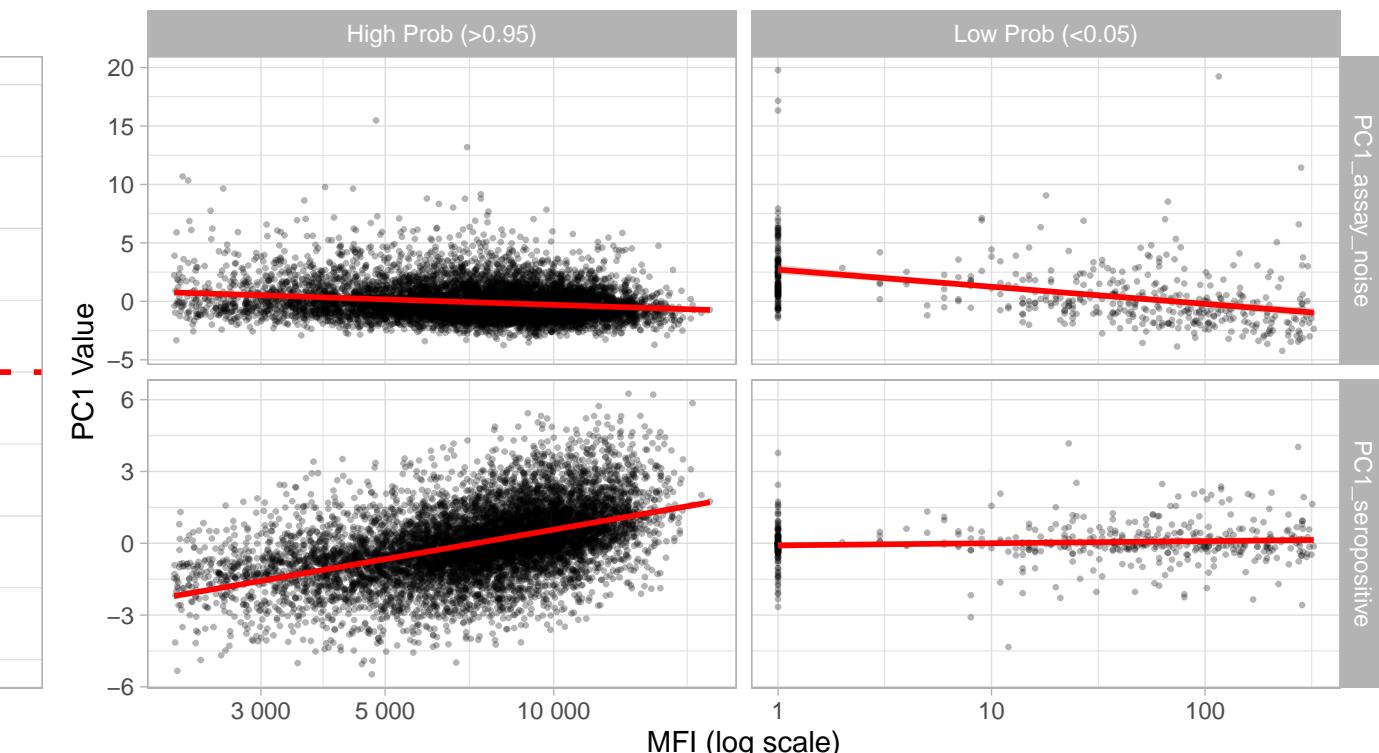
Hard vs Soft Classification: ebv_vca

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ebv_vca

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

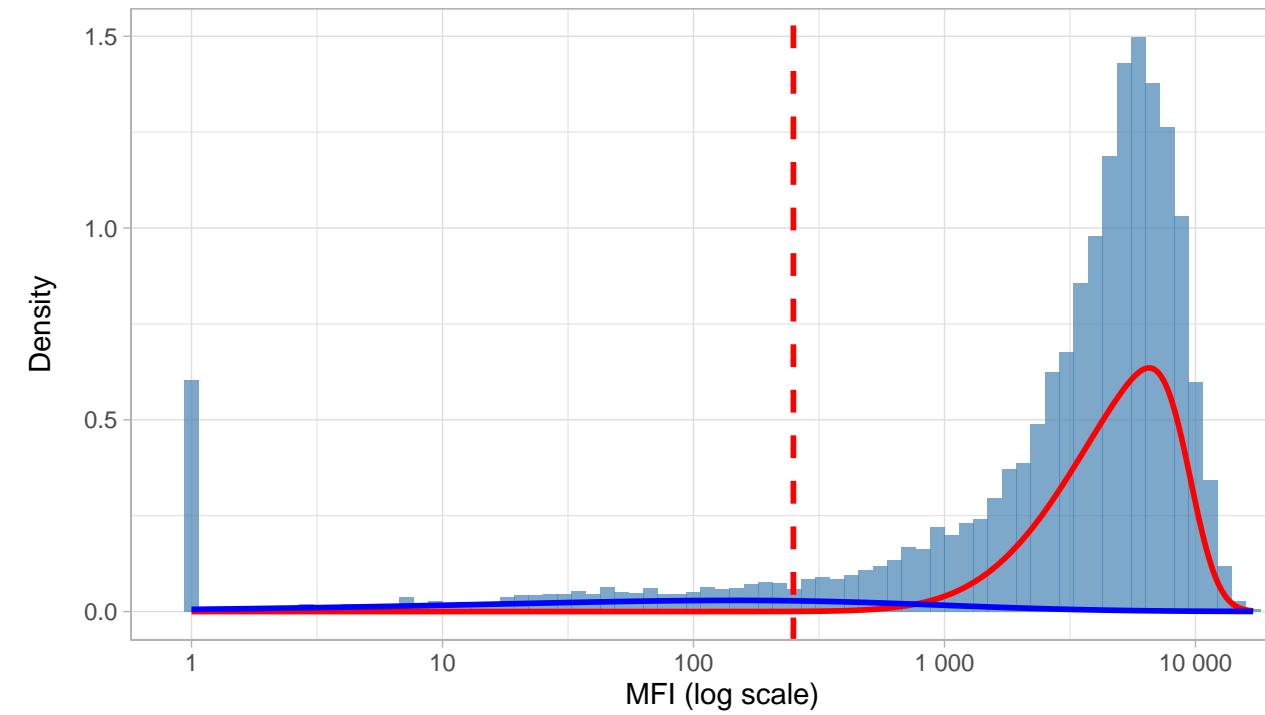


Diagnostics: ebv_ebna1

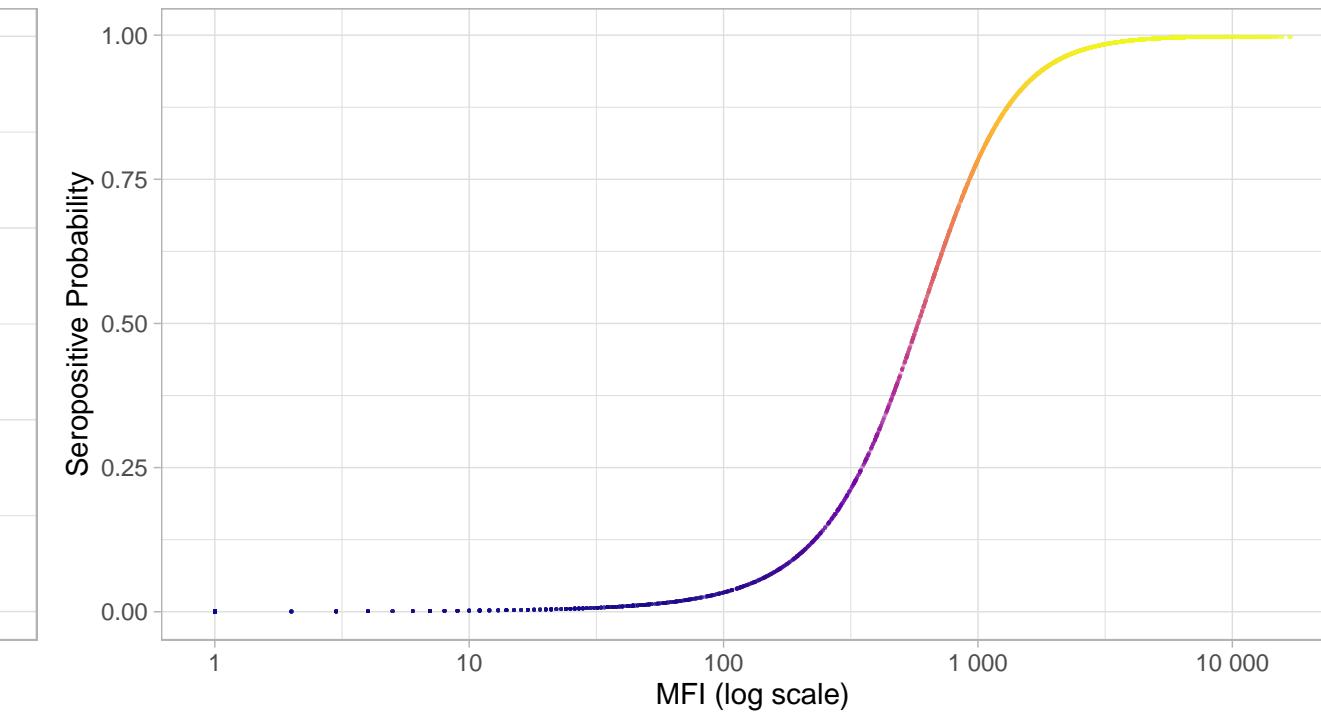
N=9424 | >0.95=6946 | <0.05=864 | Ambig=1614

Original MFI Distribution: ebv_ebna1

Hard cutoff threshold = 250

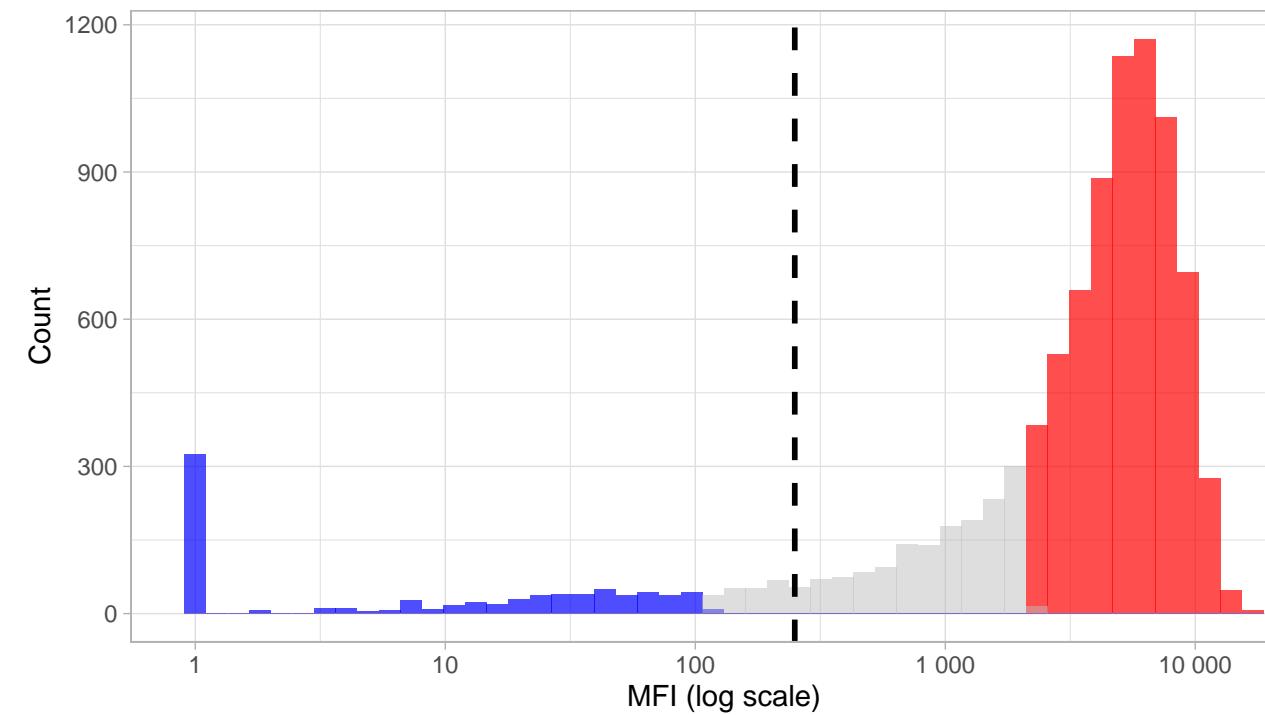


IgG vs Seropositive Probability: ebv_ebna1



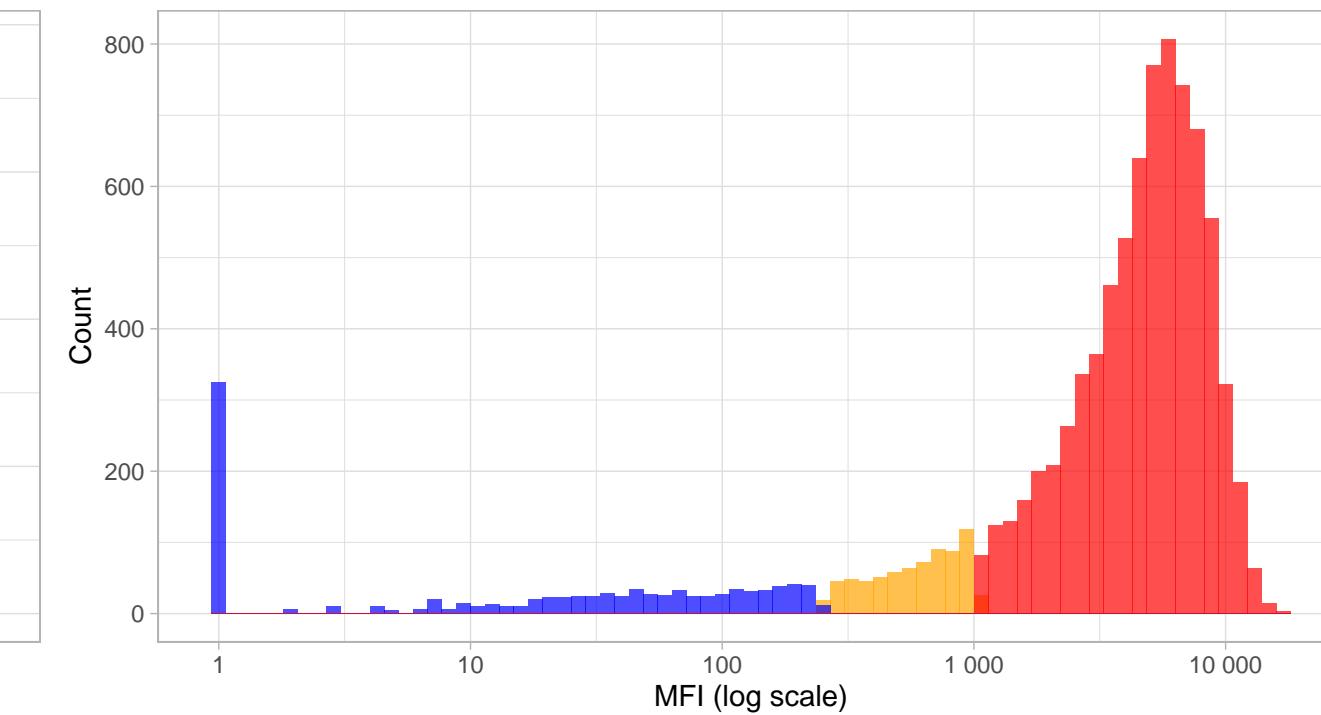
High-Confidence Seropositive Distribution: ebv_ebna1

Prob threshold = 0.96



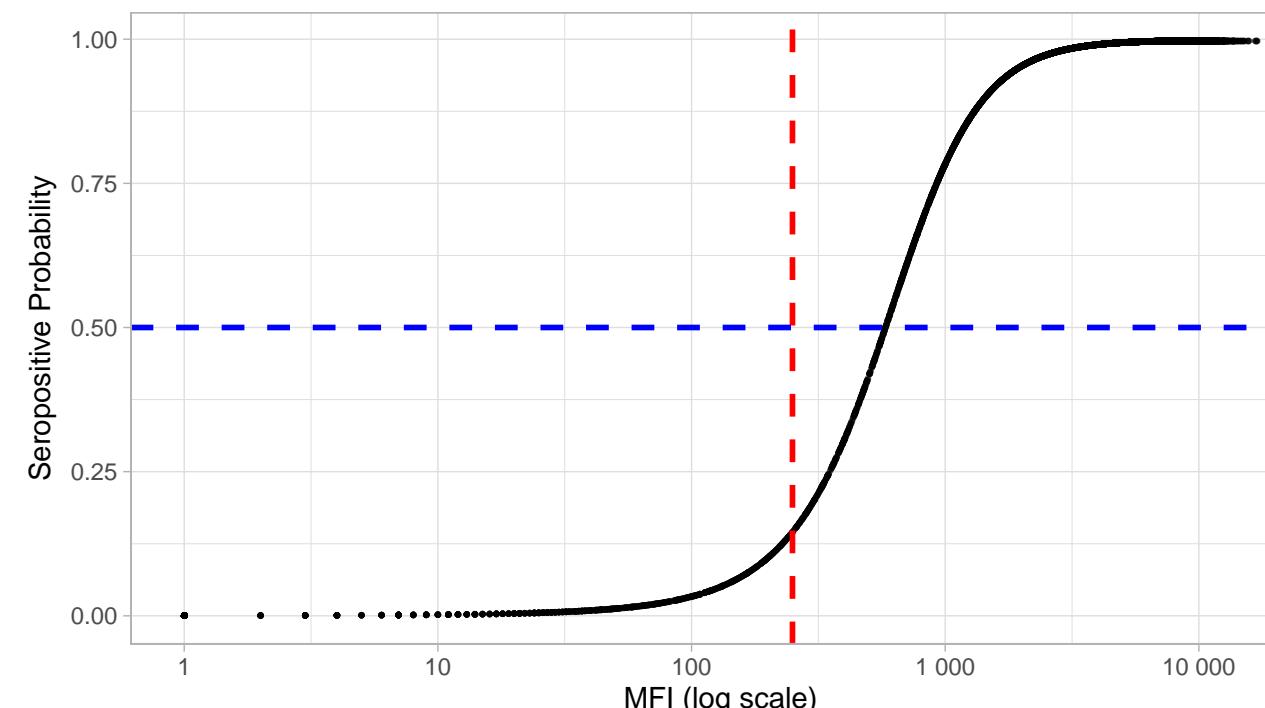
Phenotype Distribution by Classification: ebv_ebna1

Comparing hard vs soft classifications



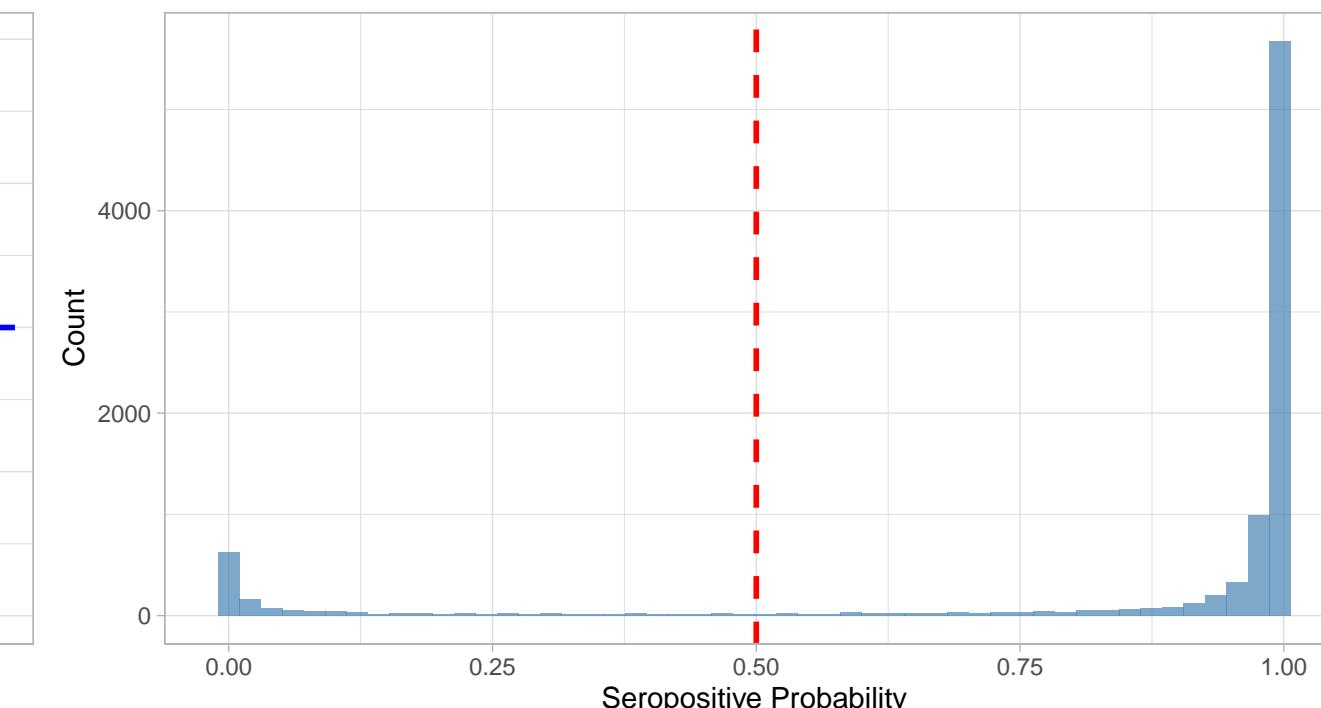
IgG Level vs Seropositive Probability: ebv_ebna1

Red line = hard threshold, Blue line = 50% probability



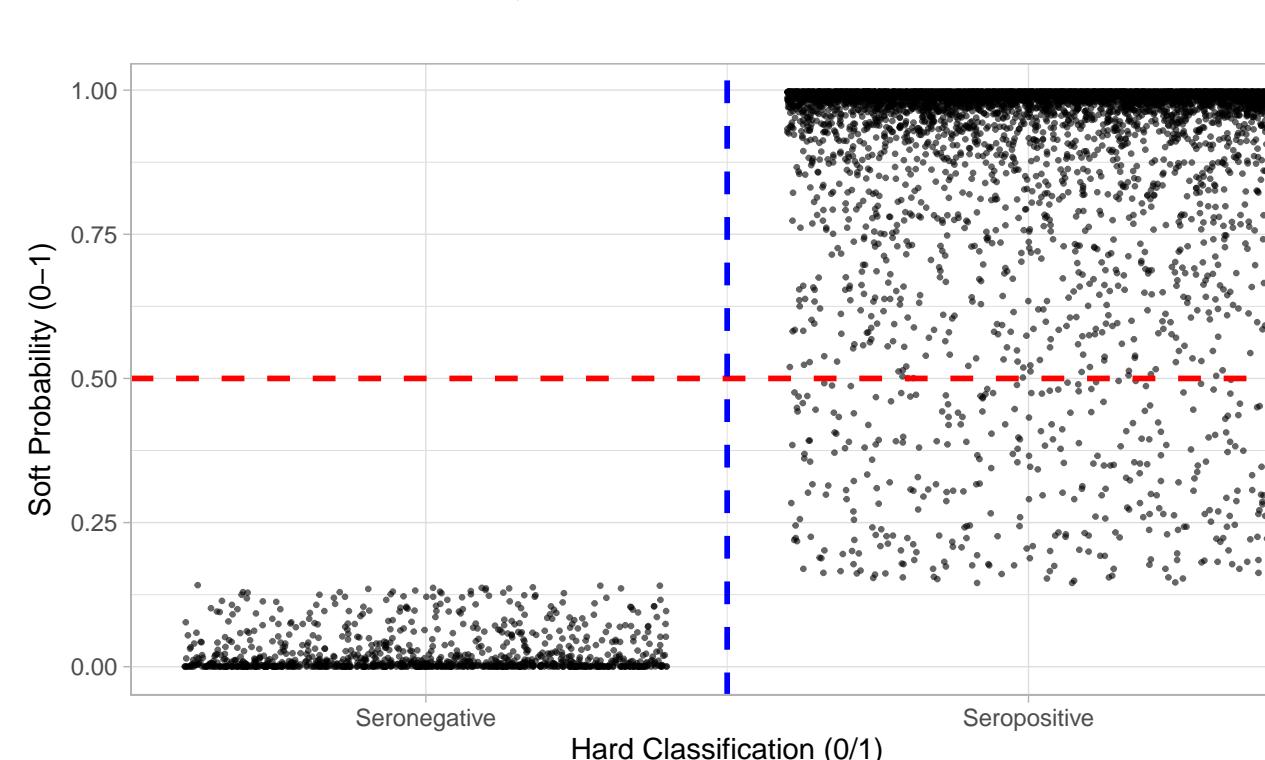
Distribution of Seropositive Probabilities: ebv_ebna1

Red line = 50% threshold



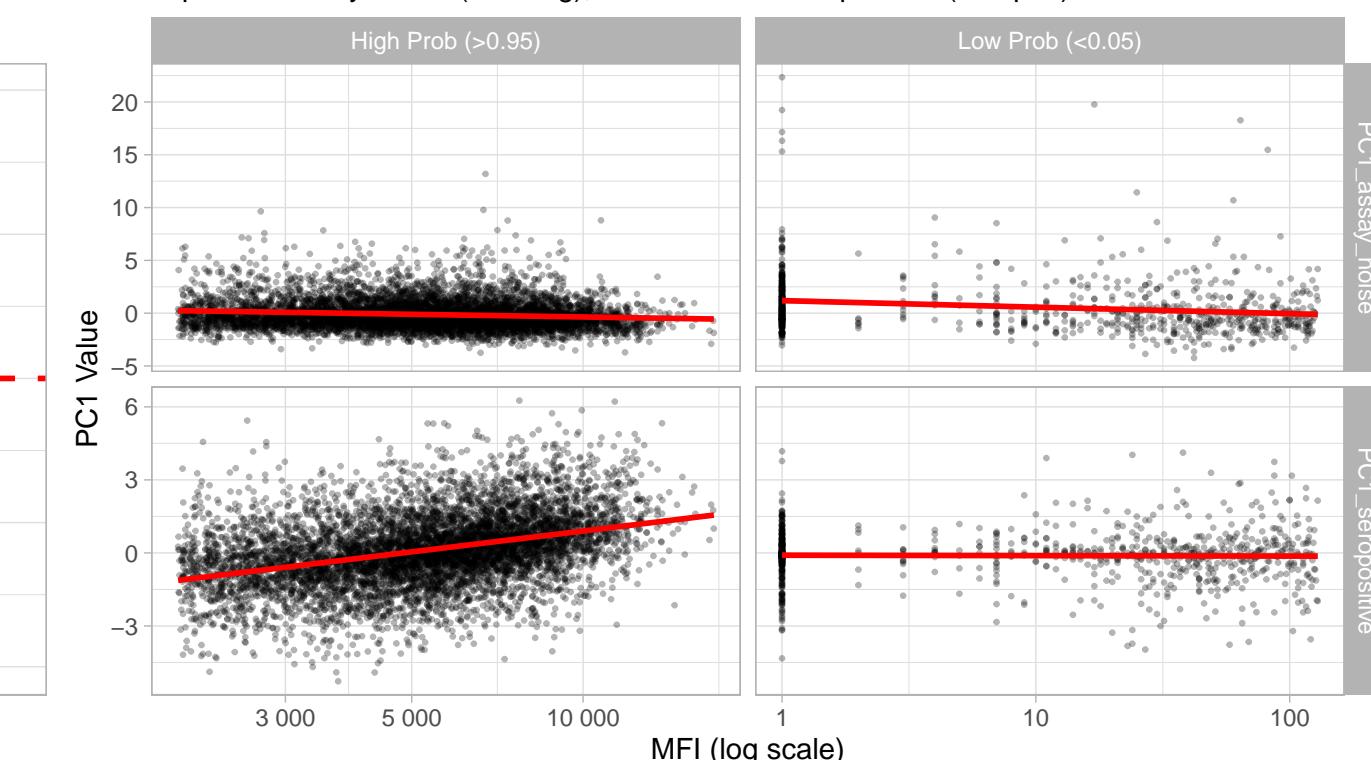
Hard vs Soft Classification: ebv_ebna1

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ebv_ebna1

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

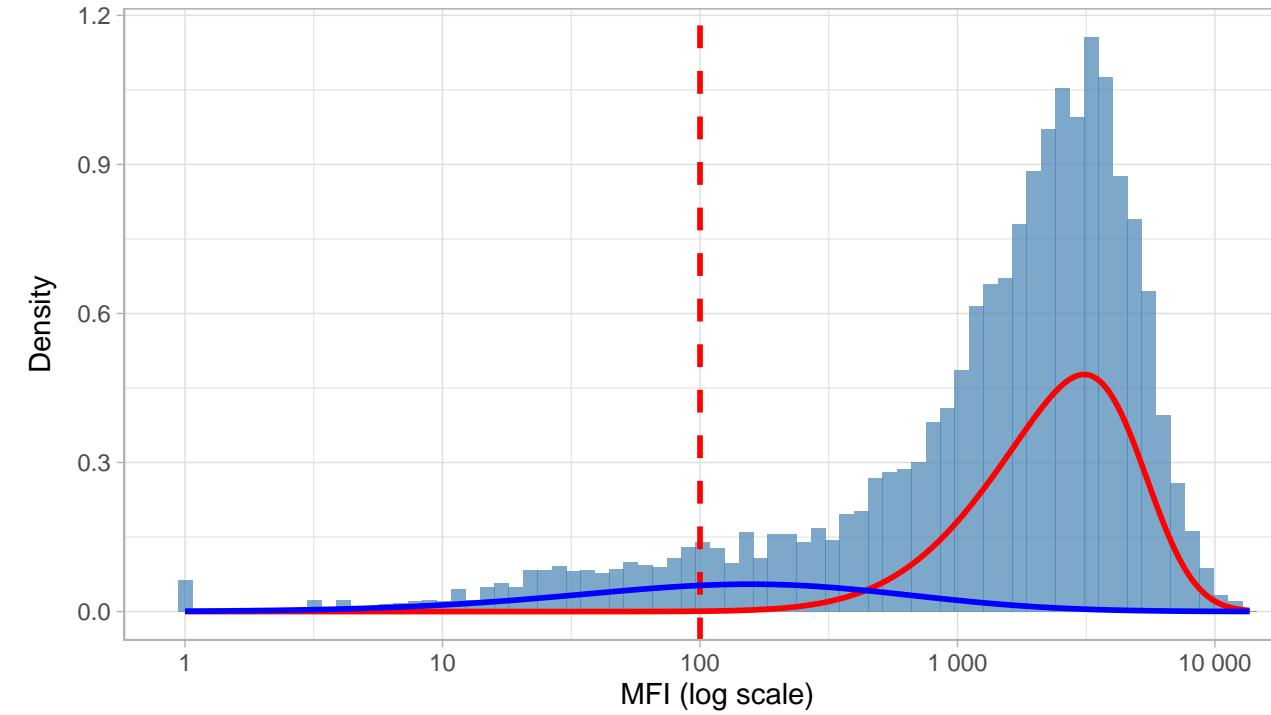


Diagnostics: ebv_zebra

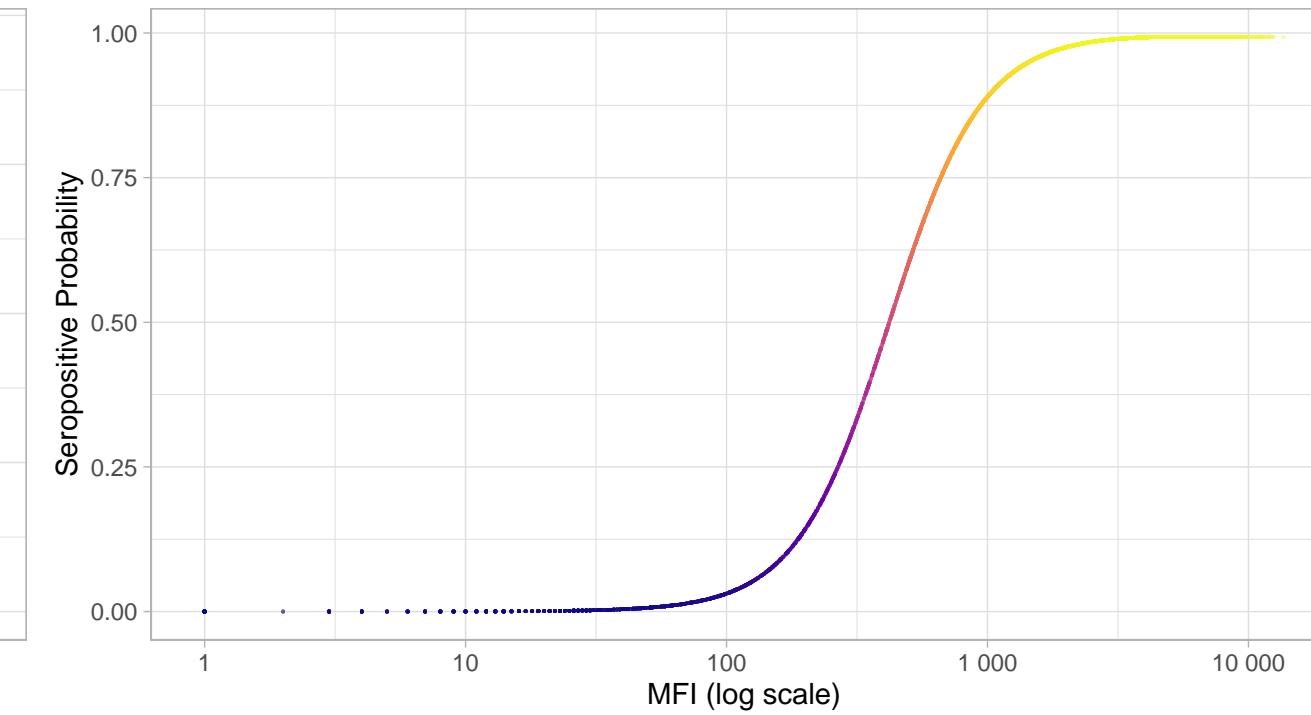
N=9424 | >0.95=5705 | <0.05=950 | Ambig=2769

Original MFI Distribution: ebv_zebra

Hard cutoff threshold = 100

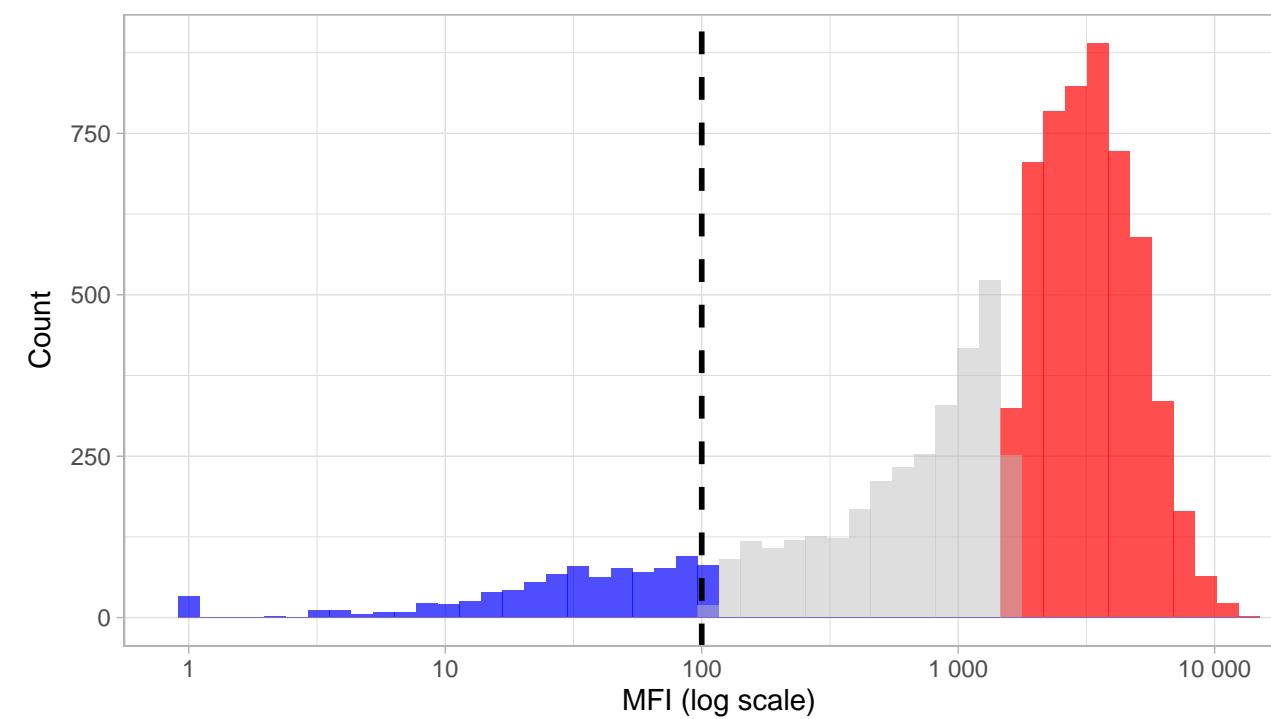


IgG vs Seropositive Probability: ebv_zebra



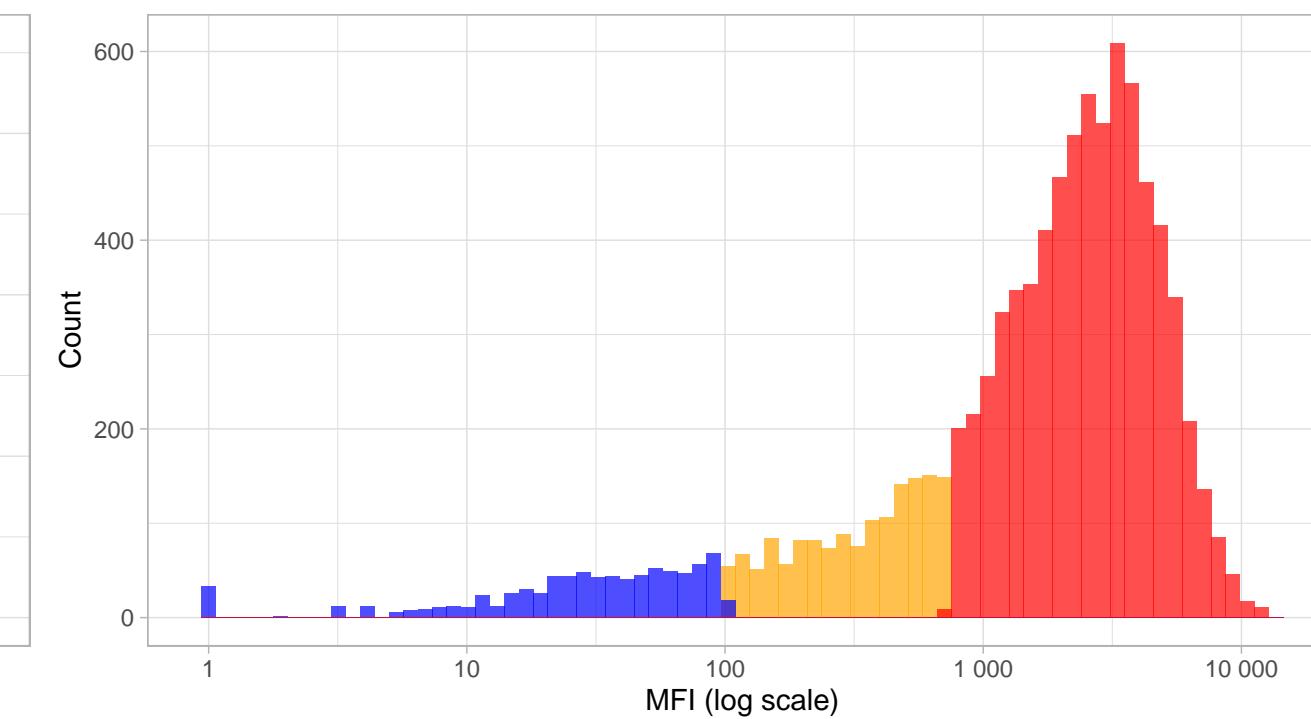
High-Confidence Seropositive Distribution: ebv_zebra

Prob threshold = 0.96



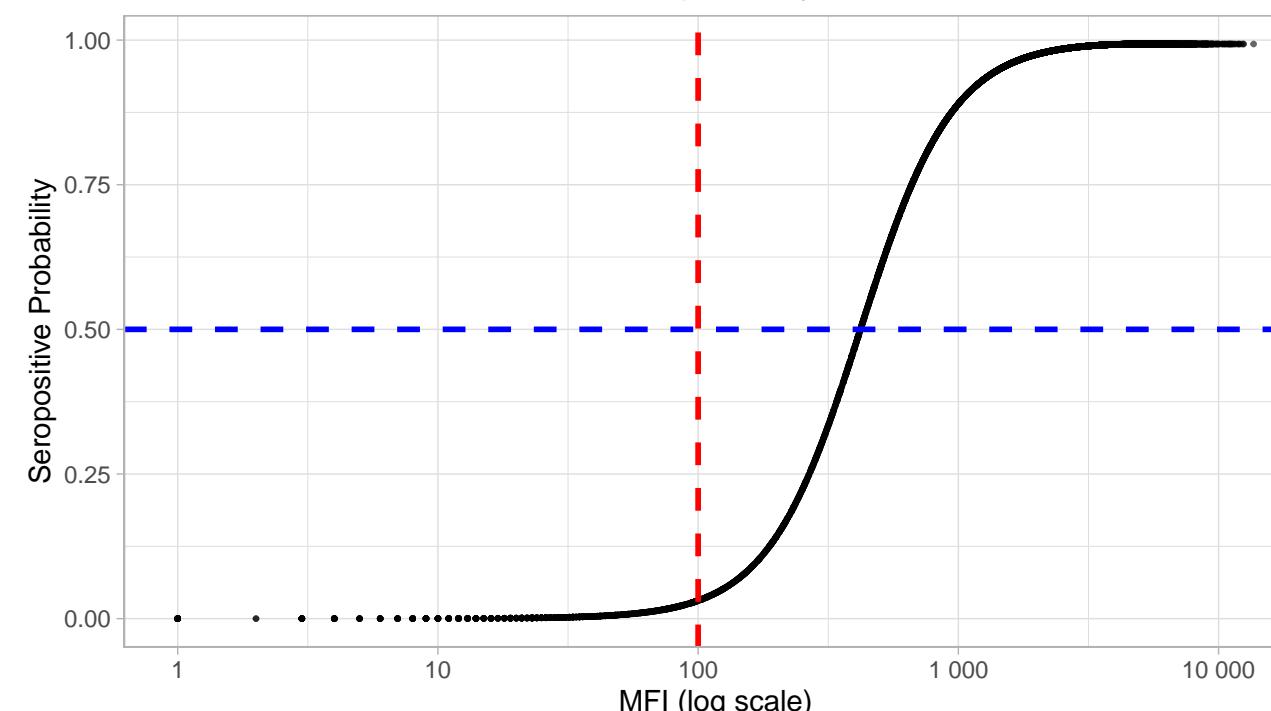
Phenotype Distribution by Classification: ebv_zebra

Comparing hard vs soft classifications



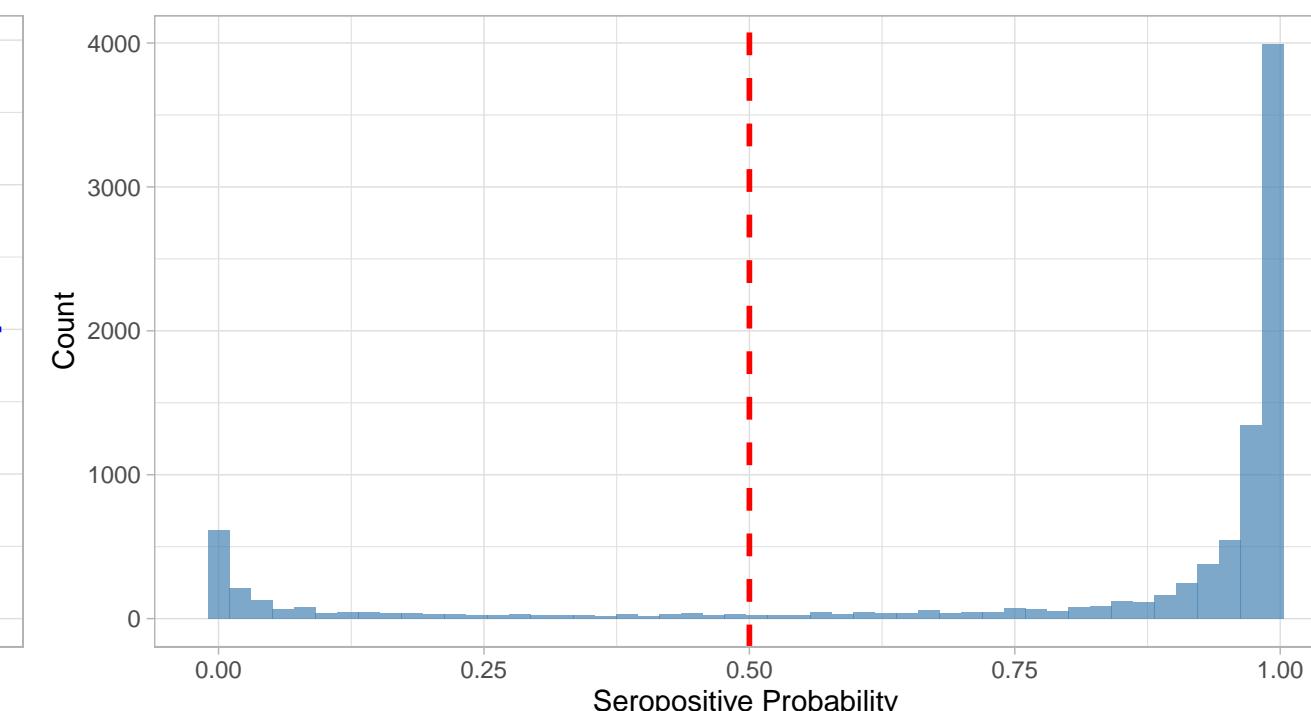
IgG Level vs Seropositive Probability: ebv_zebra

Red line = hard threshold, Blue line = 50% probability



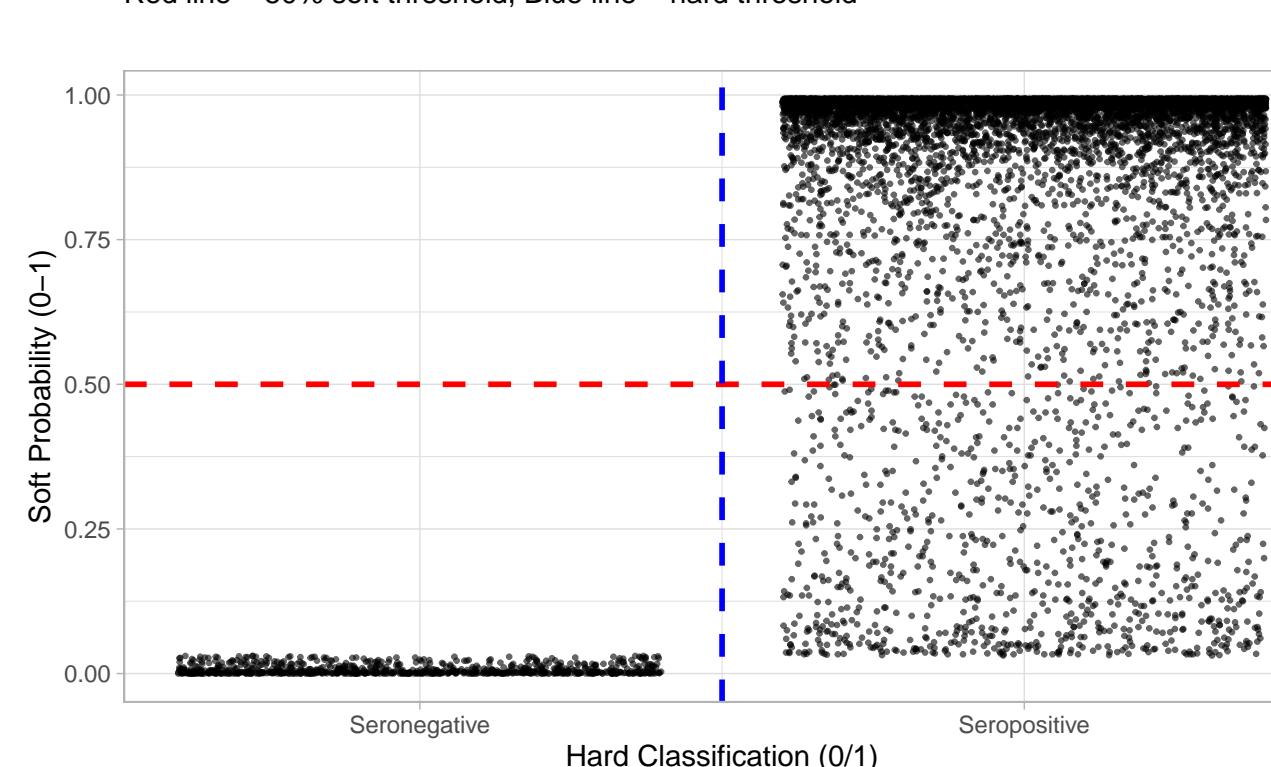
Distribution of Seropositive Probabilities: ebv_zebra

Red line = 50% threshold



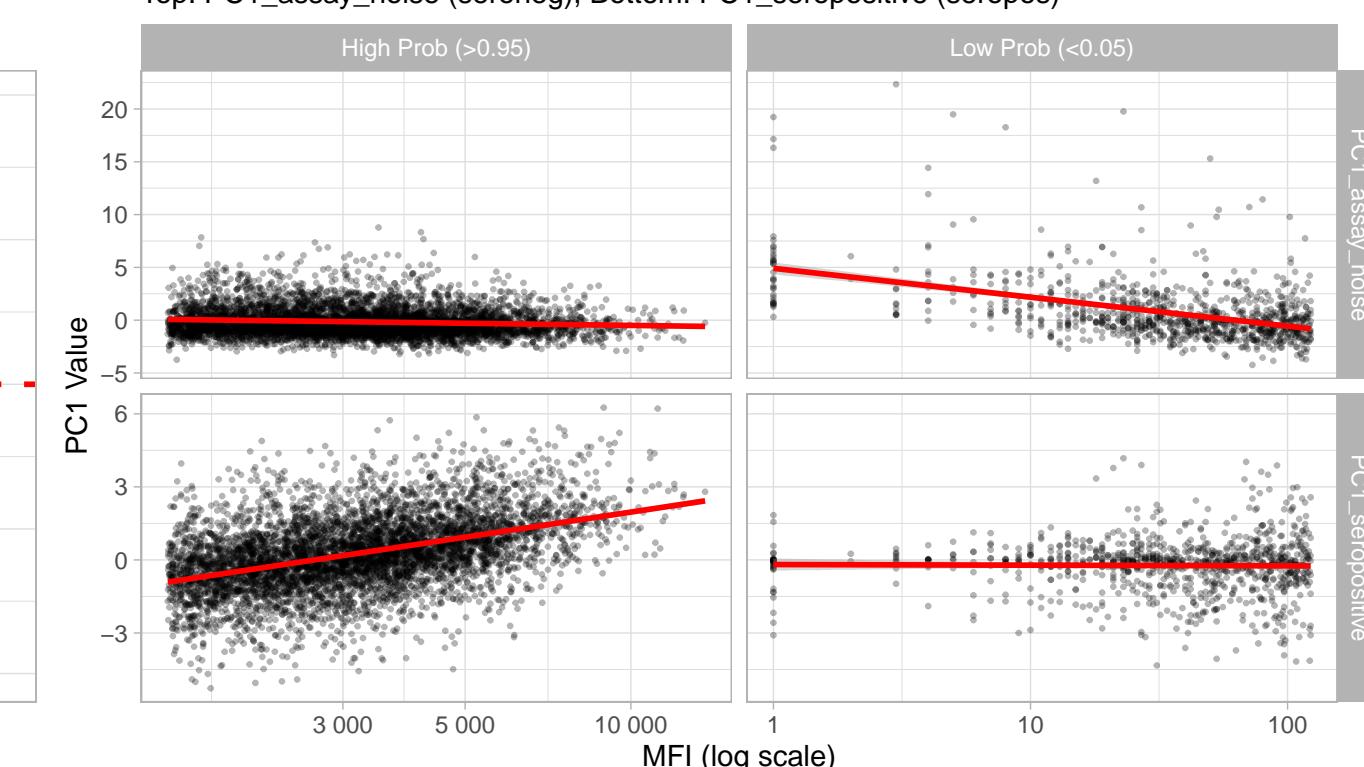
Hard vs Soft Classification: ebv_zebra

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ebv_zebra

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

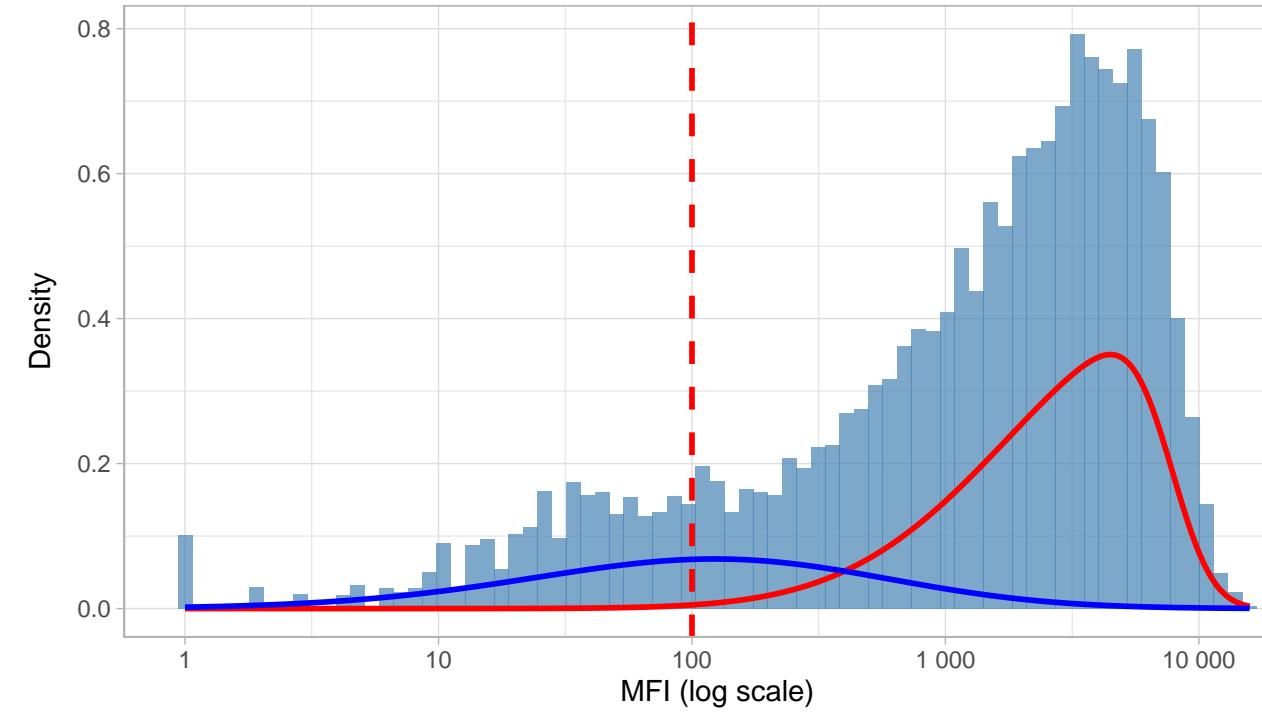


Diagnostics: ebv_ead

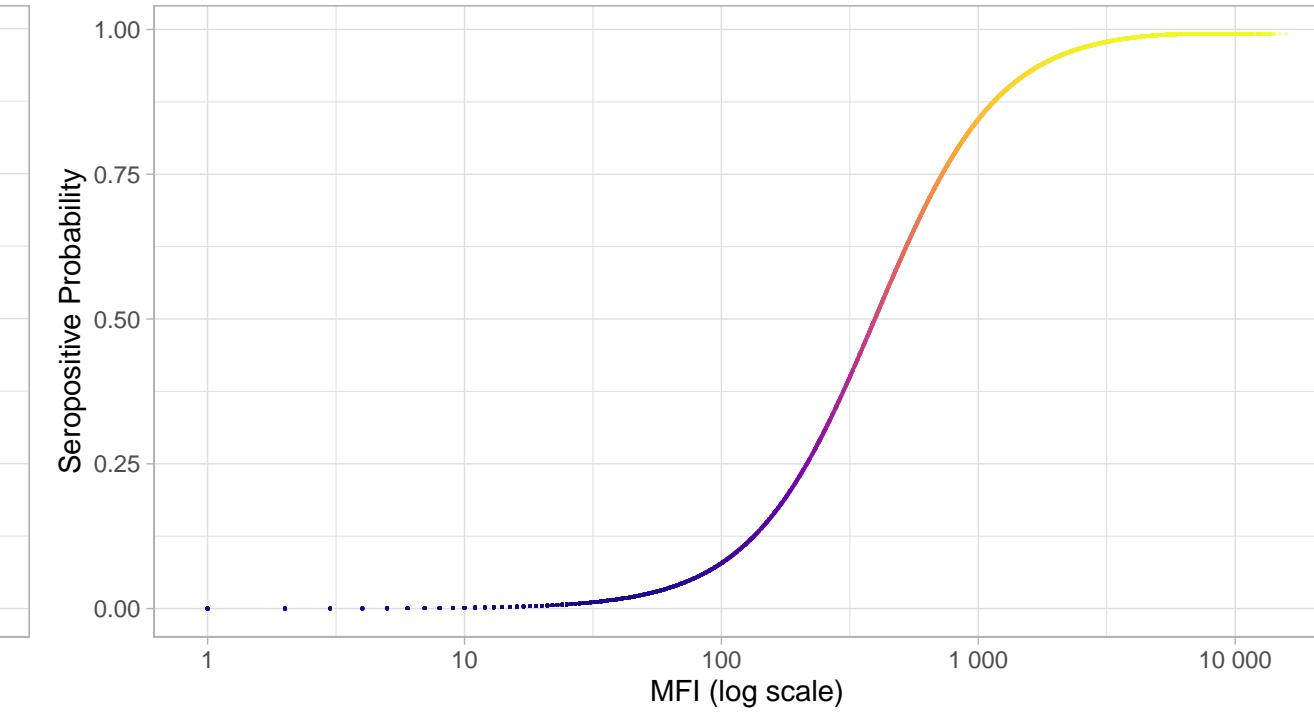
N=9424 | >0.95=4388 | <0.05=1148 | Ambig=3888

Original MFI Distribution: ebv_ead

Hard cutoff threshold = 100

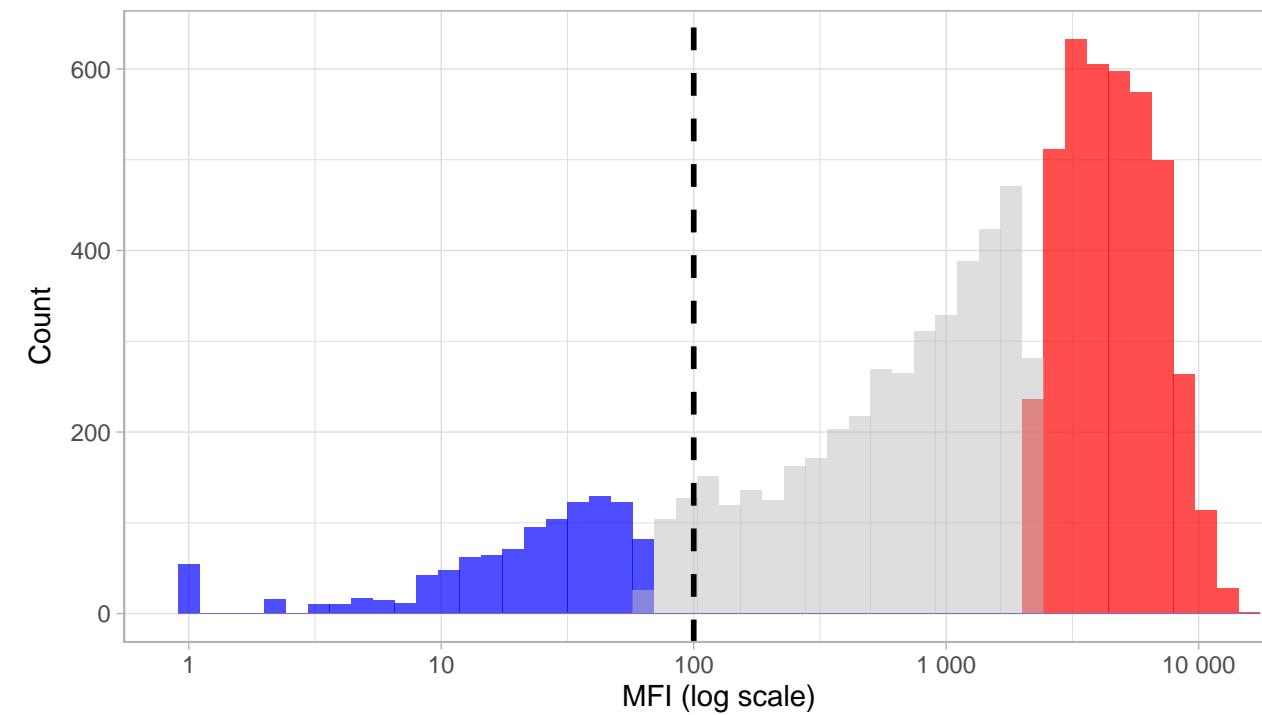


IgG vs Seropositive Probability: ebv_ead



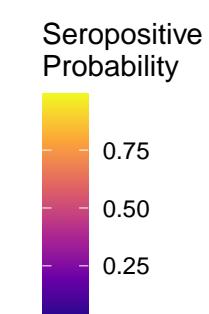
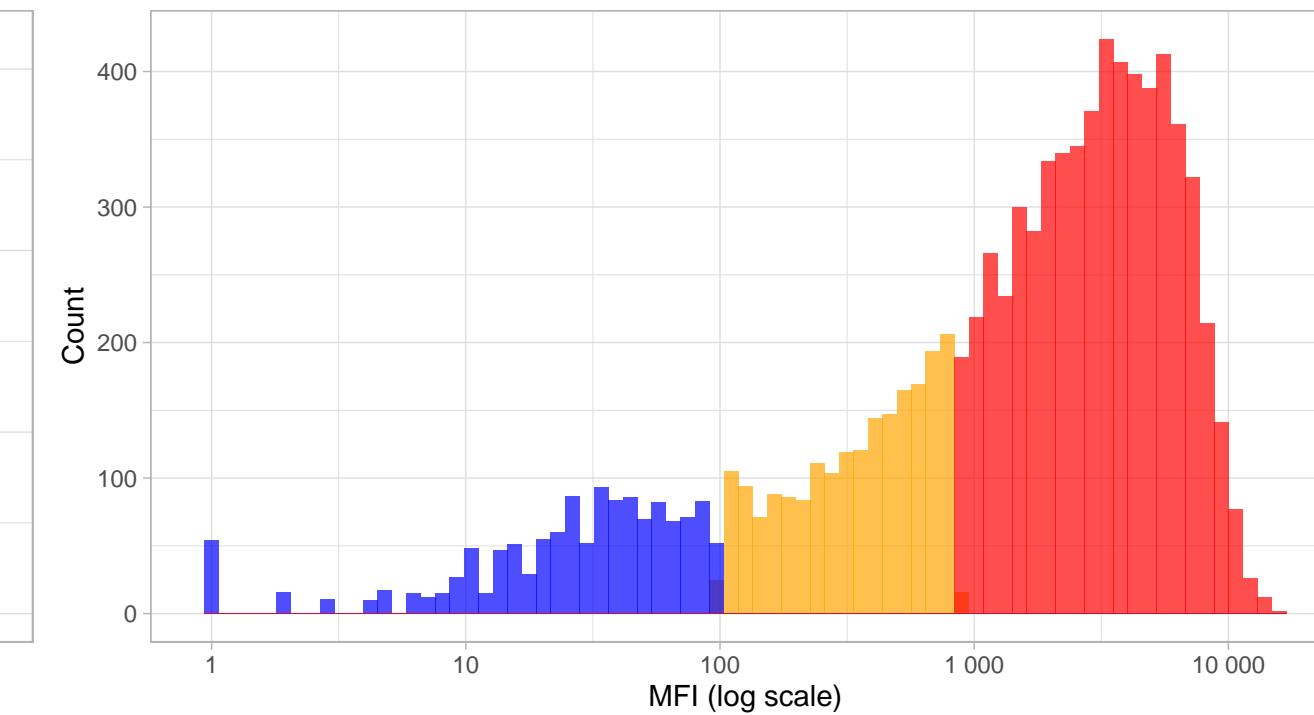
High-Confidence Seropositive Distribution: ebv_ead

Prob threshold = 0.96



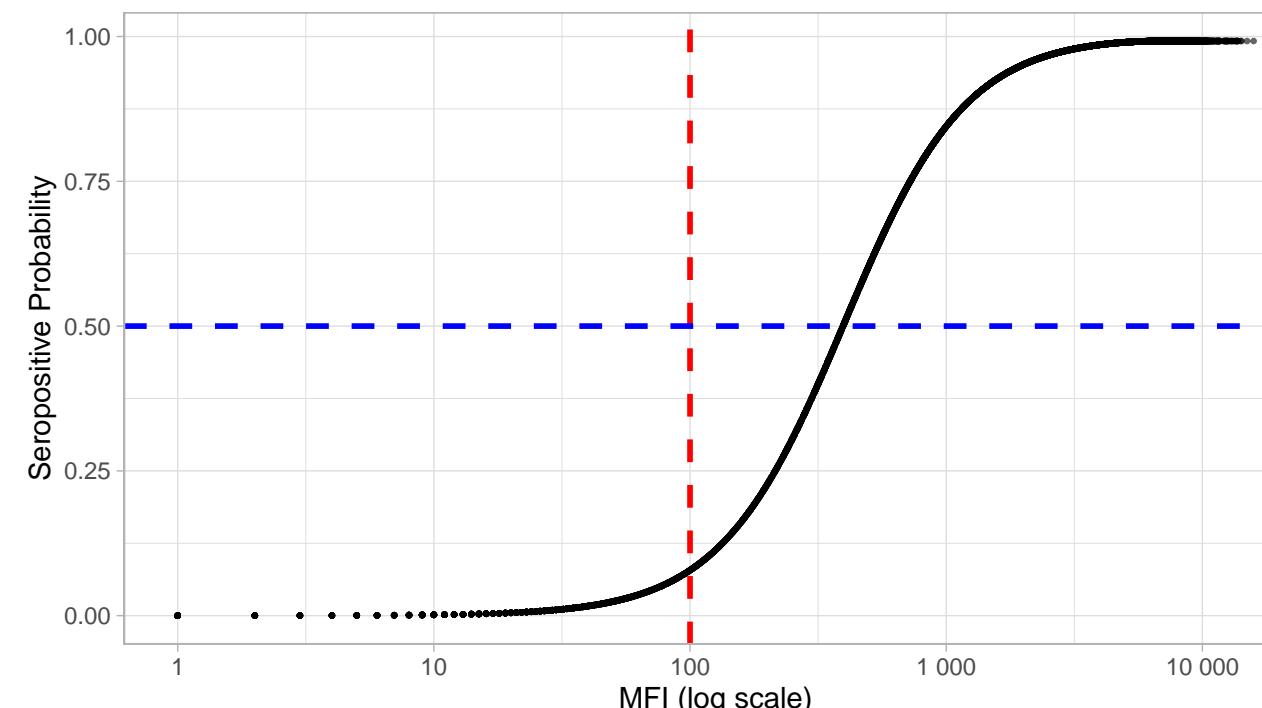
Phenotype Distribution by Classification: ebv_ead

Comparing hard vs soft classifications



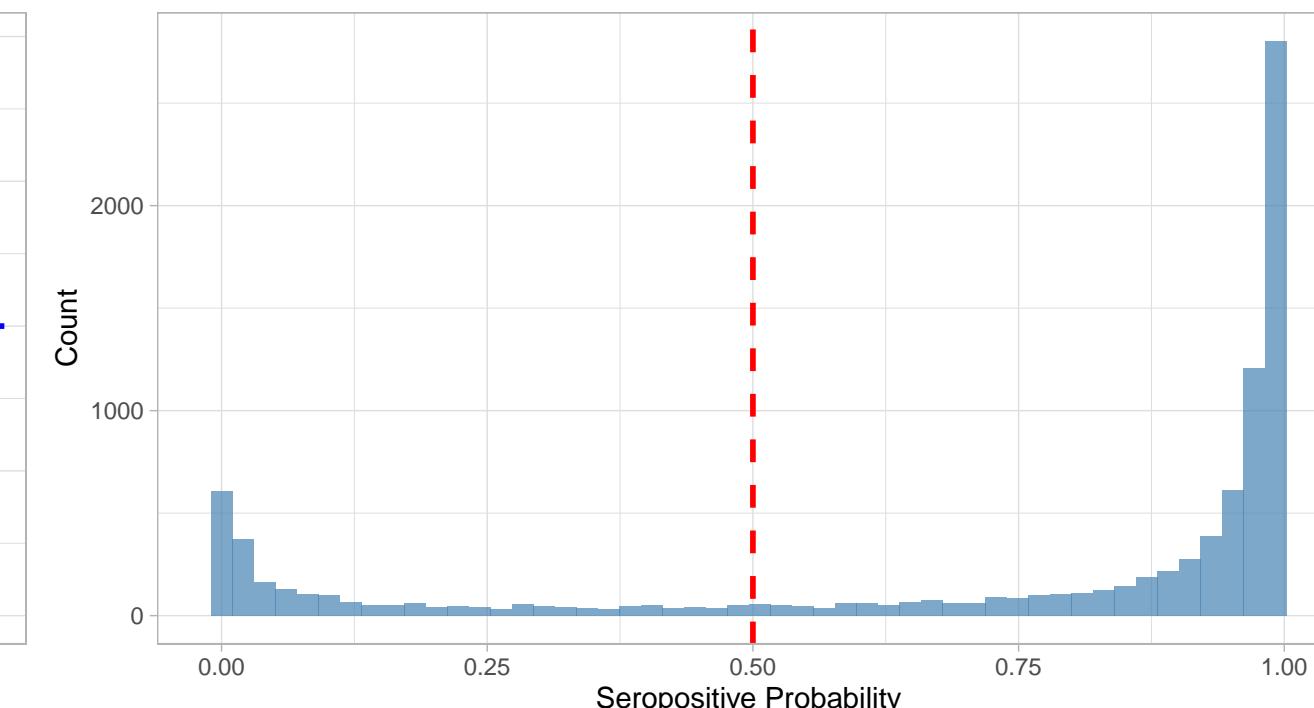
IgG Level vs Seropositive Probability: ebv_ead

Red line = hard threshold, Blue line = 50% probability



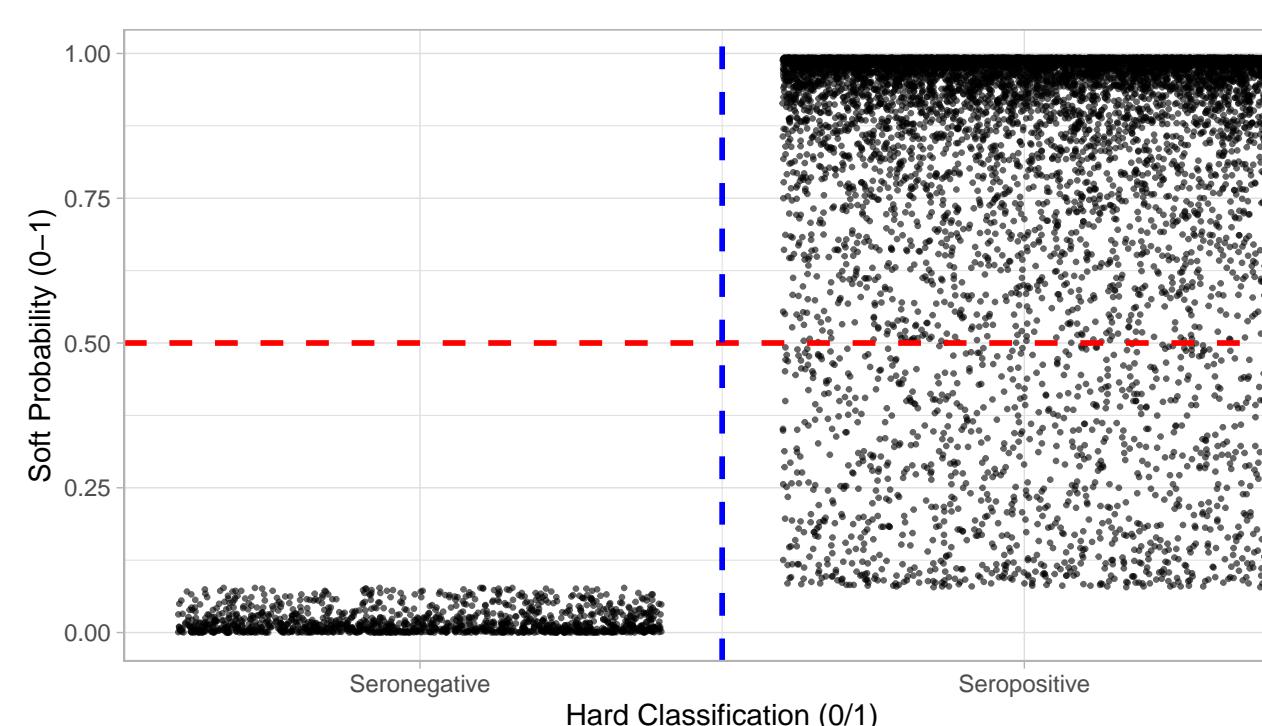
Distribution of Seropositive Probabilities: ebv_ead

Red line = 50% threshold



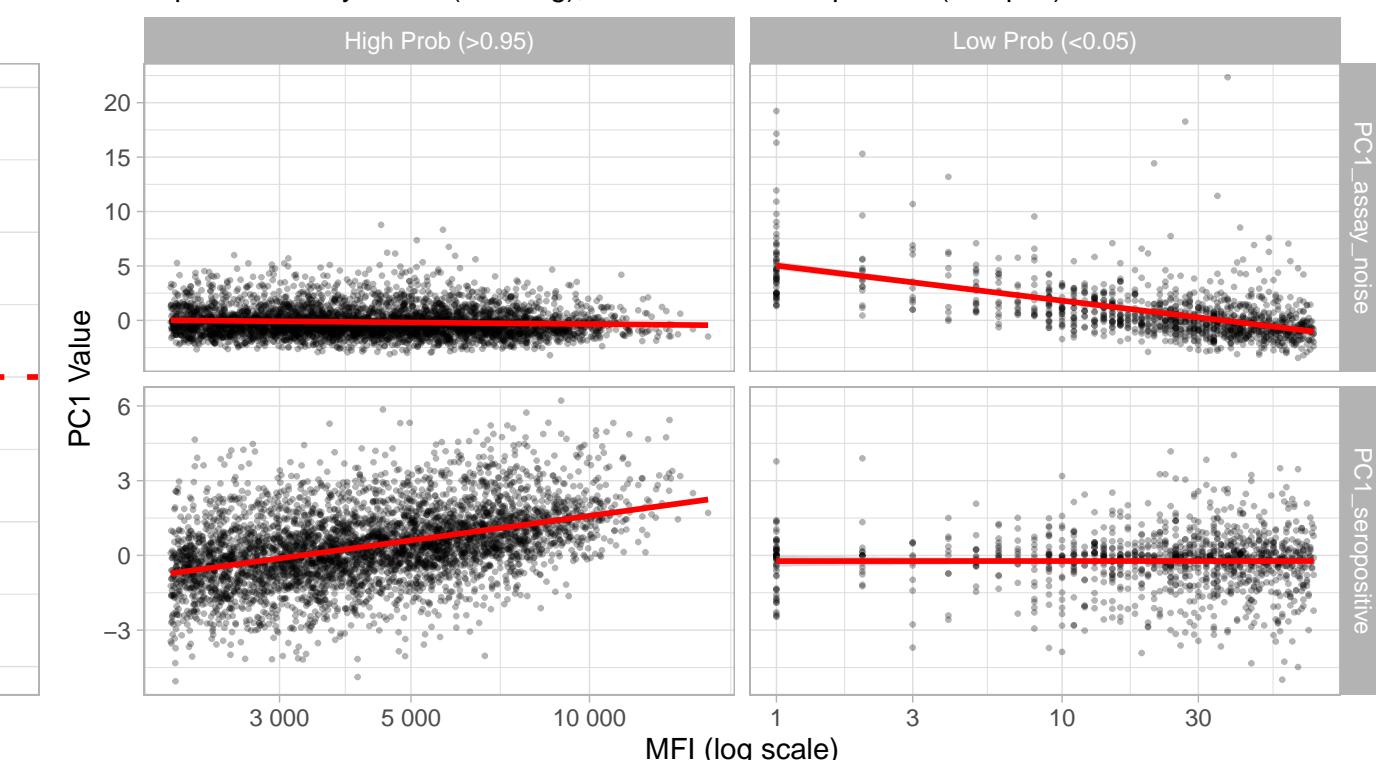
Hard vs Soft Classification: ebv_ead

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ebv_ead

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

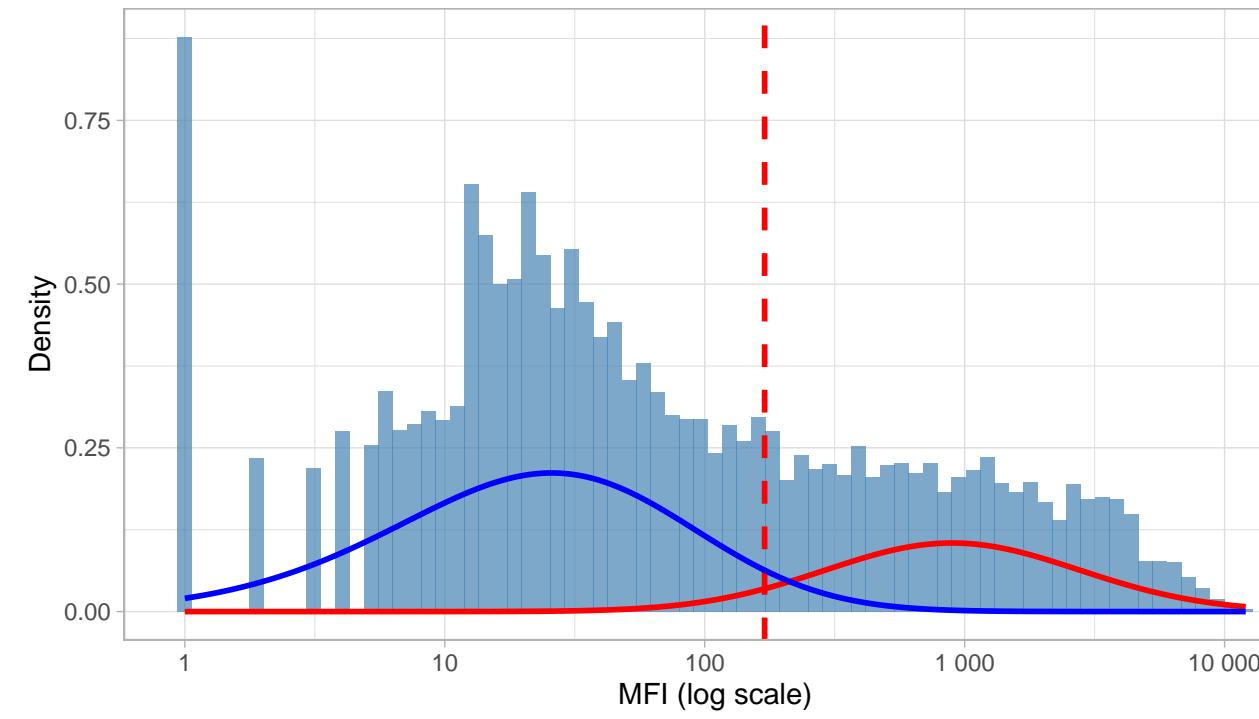


Diagnostics: hp_omp

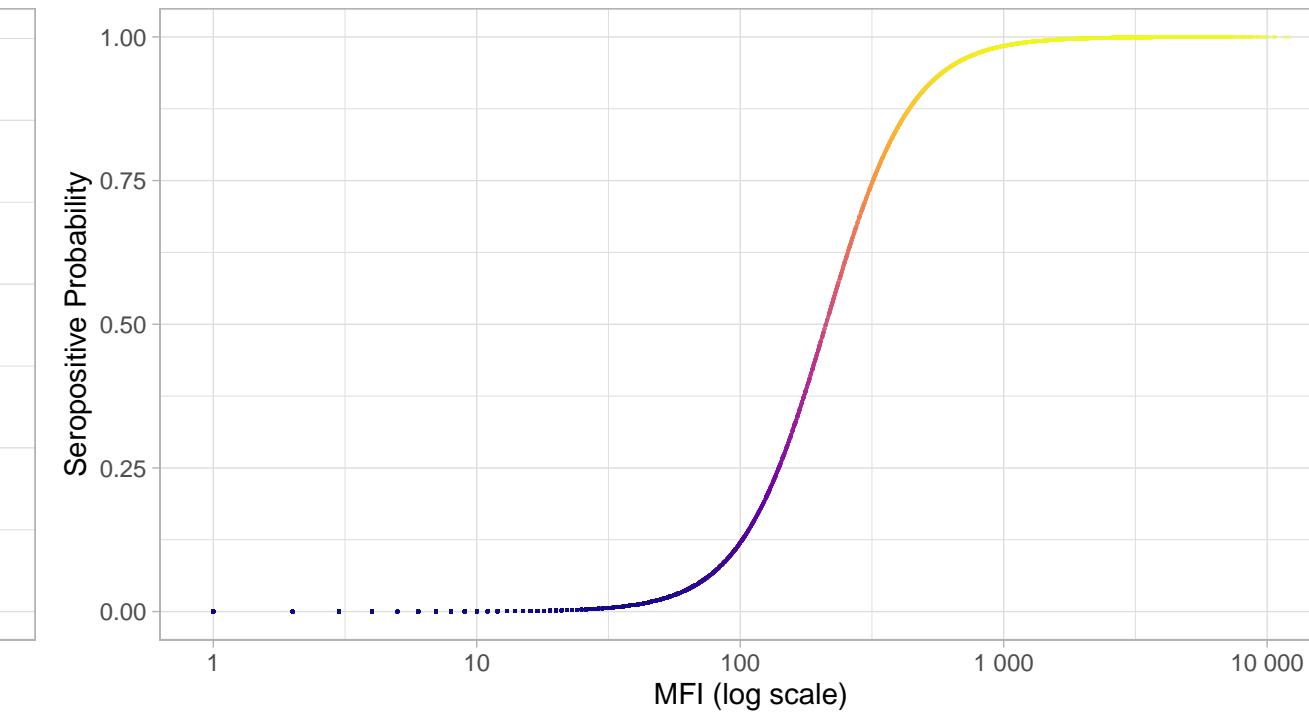
N=9424 | >0.95=1713 | <0.05=5447 | Ambig=2264

Original MFI Distribution: hp_omp

Hard cutoff threshold = 170

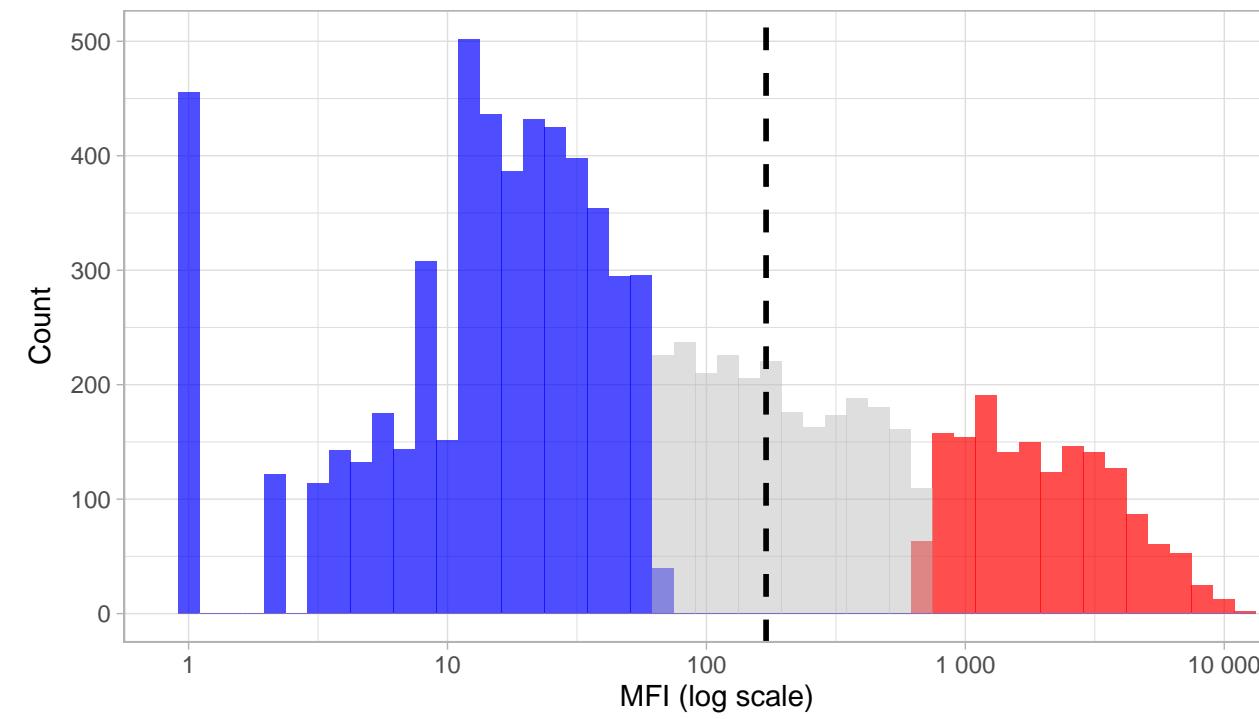


IgG vs Seropositive Probability: hp_omp



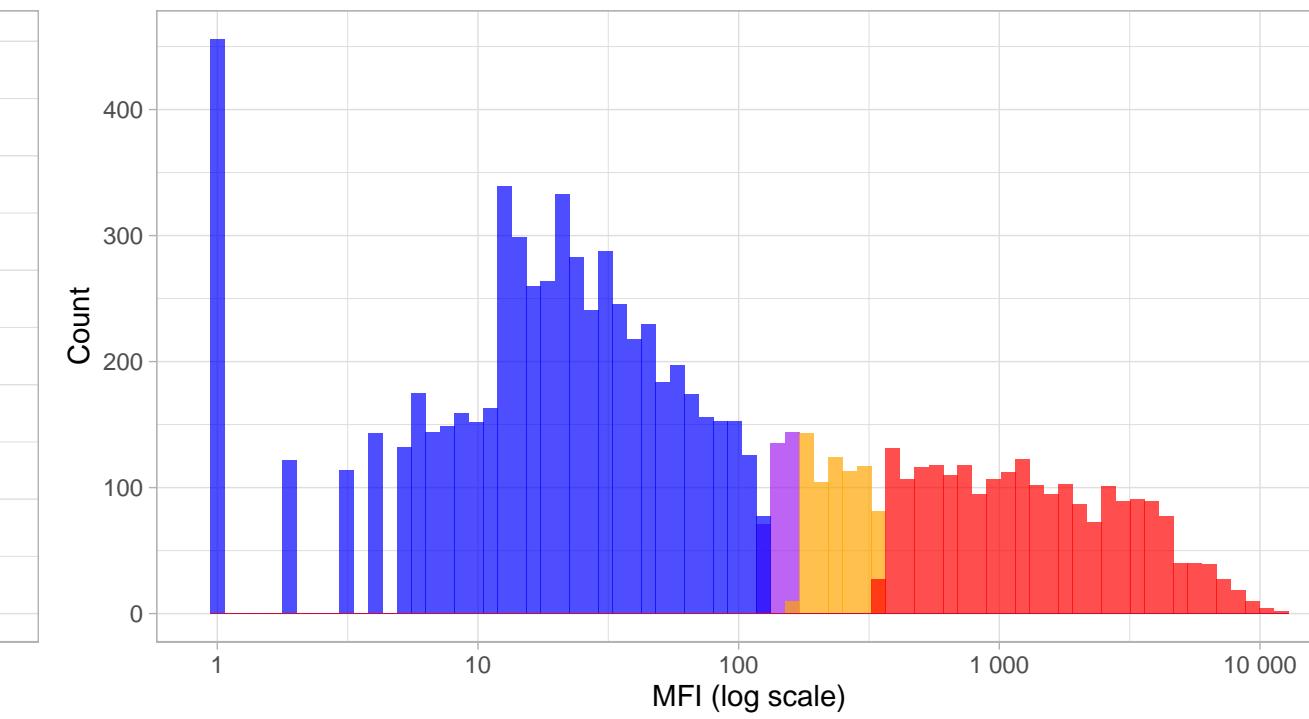
High-Confidence Seropositive Distribution: hp_omp

Prob threshold = 0.96



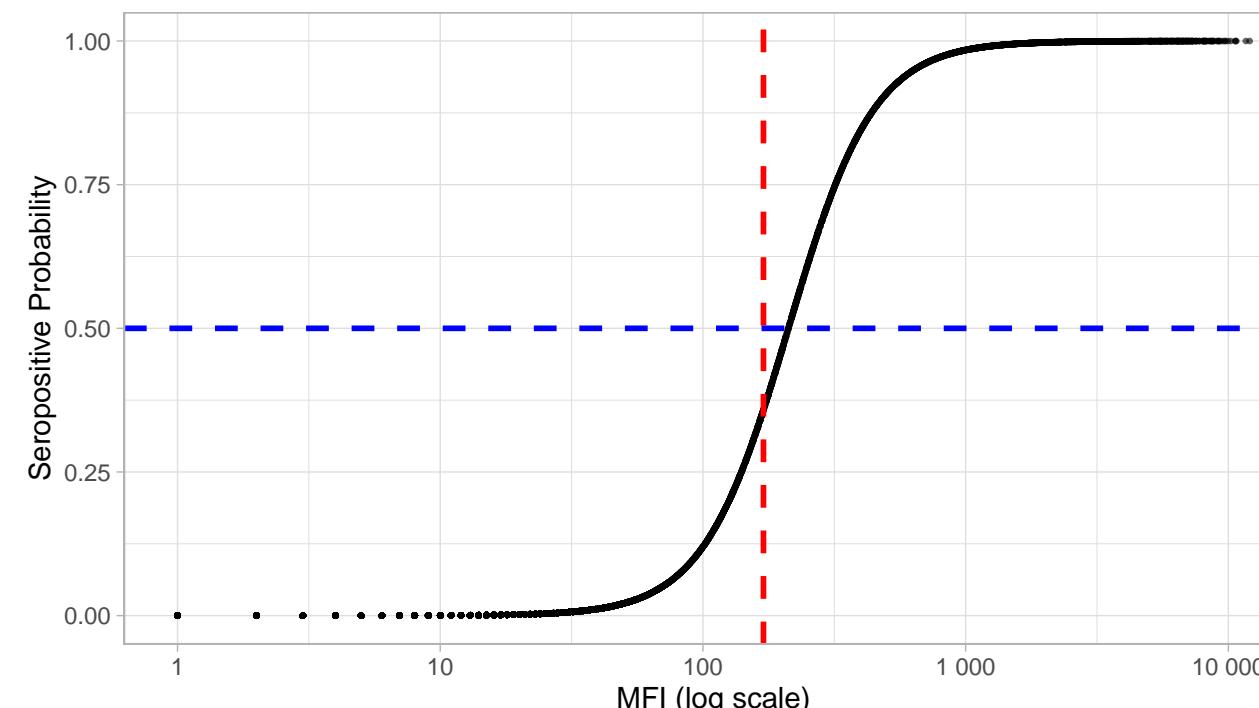
Phenotype Distribution by Classification: hp_omp

Comparing hard vs soft classifications



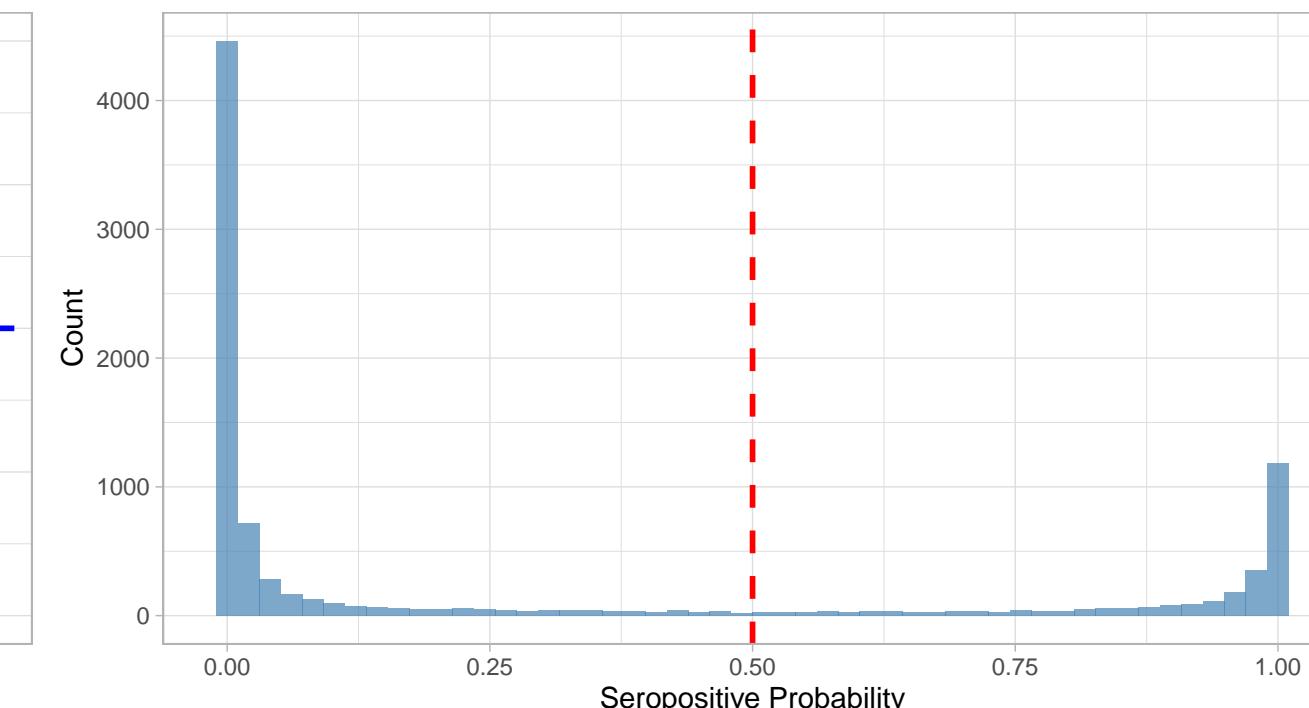
IgG Level vs Seropositive Probability: hp_omp

Red line = hard threshold, Blue line = 50% probability



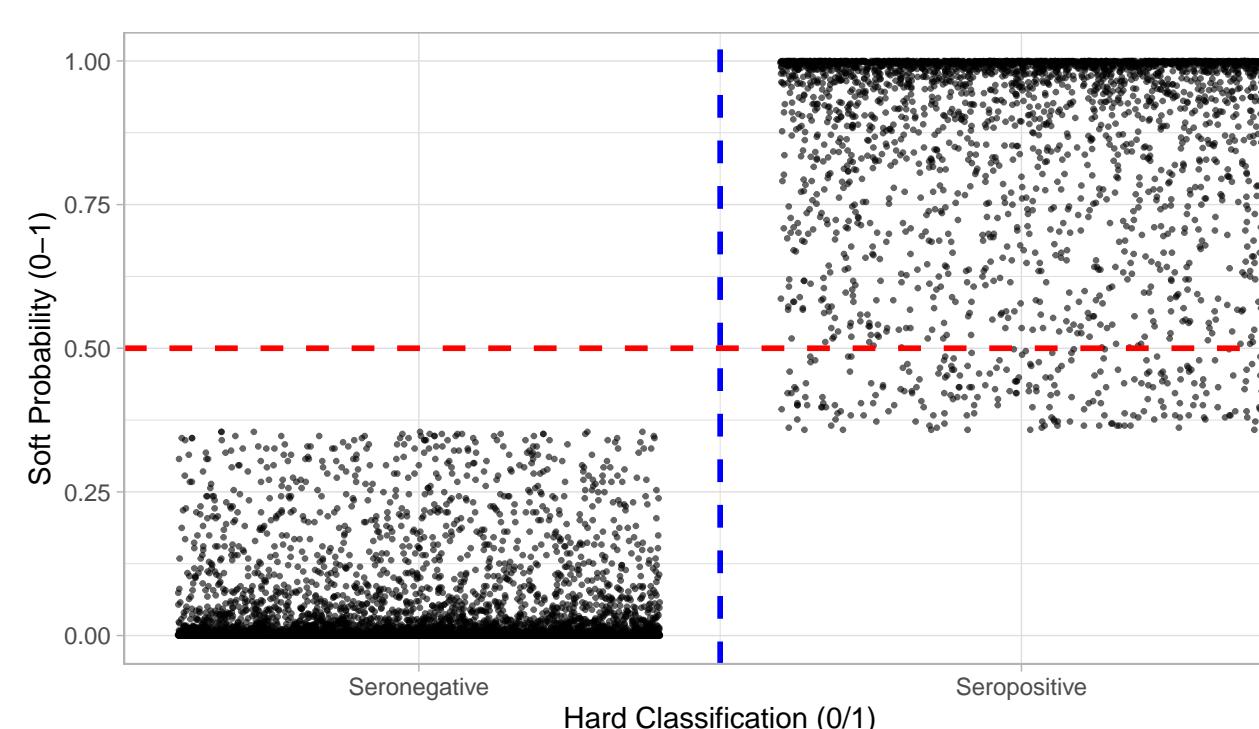
Distribution of Seropositive Probabilities: hp_omp

Red line = 50% threshold



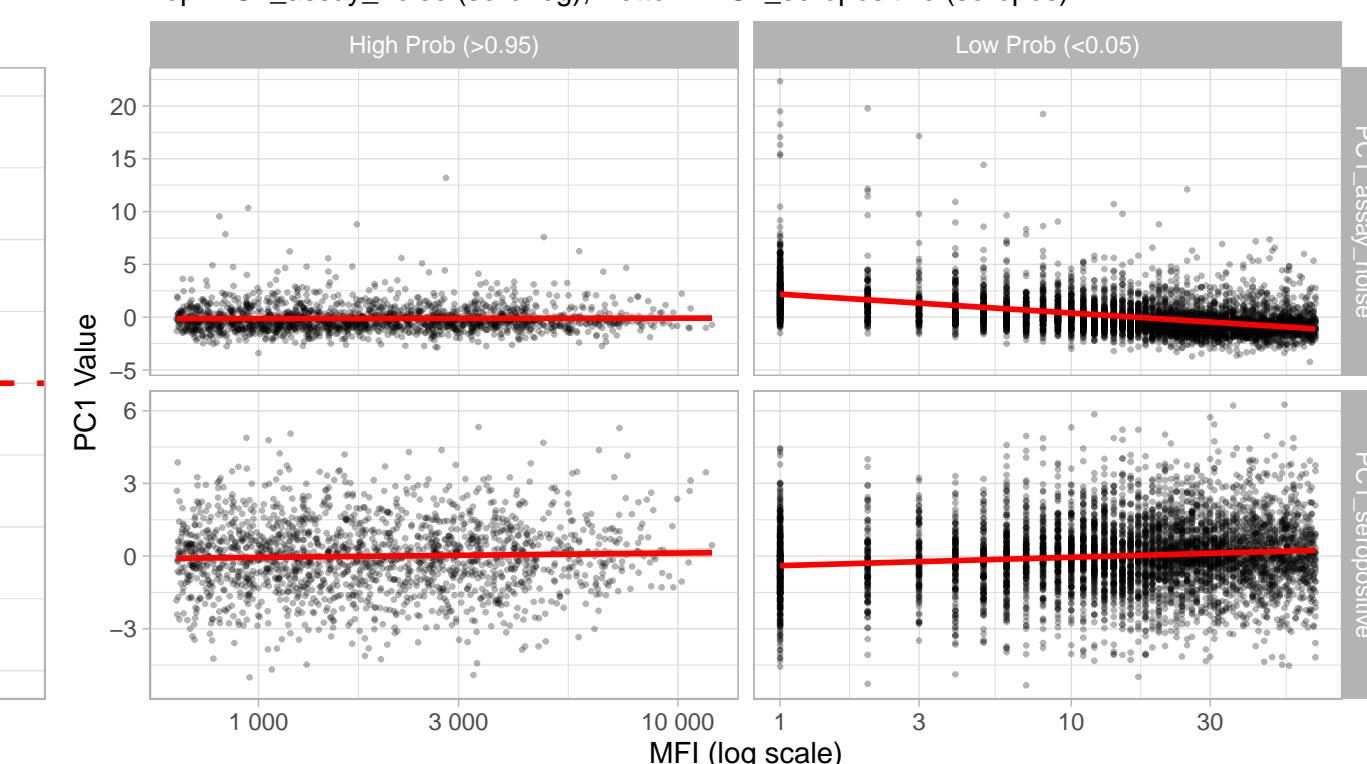
Hard vs Soft Classification: hp_omp

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hp_omp

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

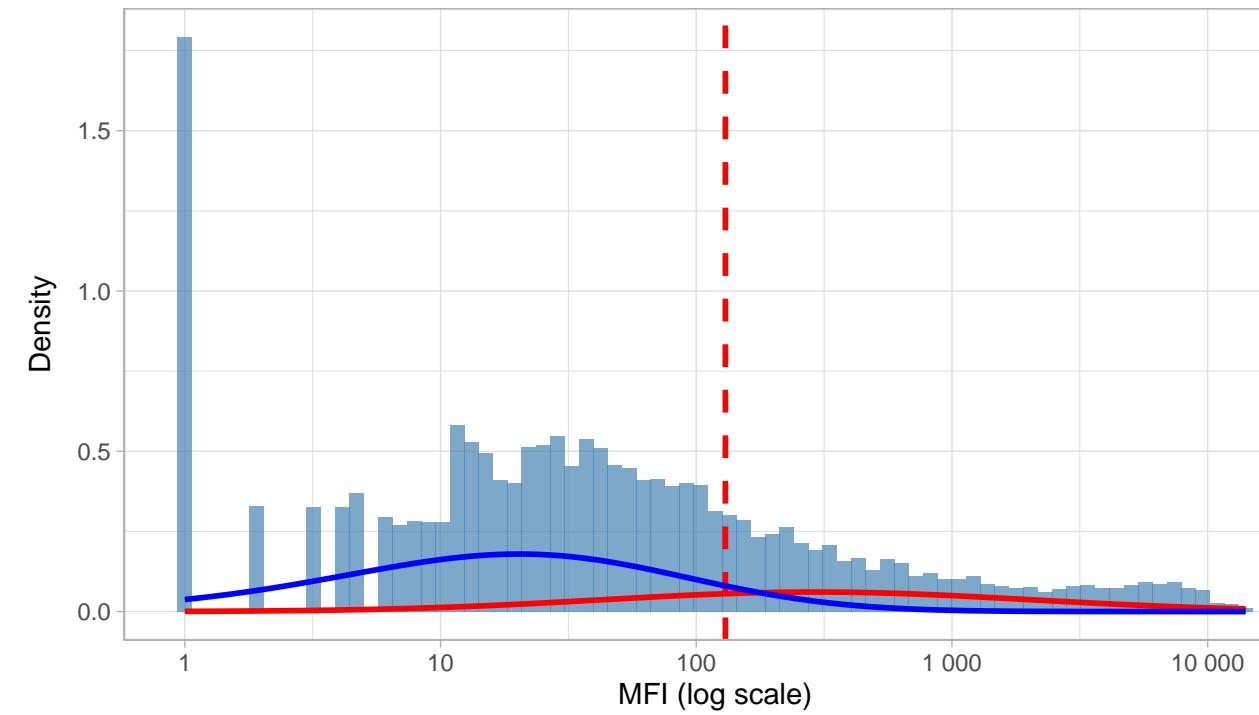


Diagnostics: hp_urea

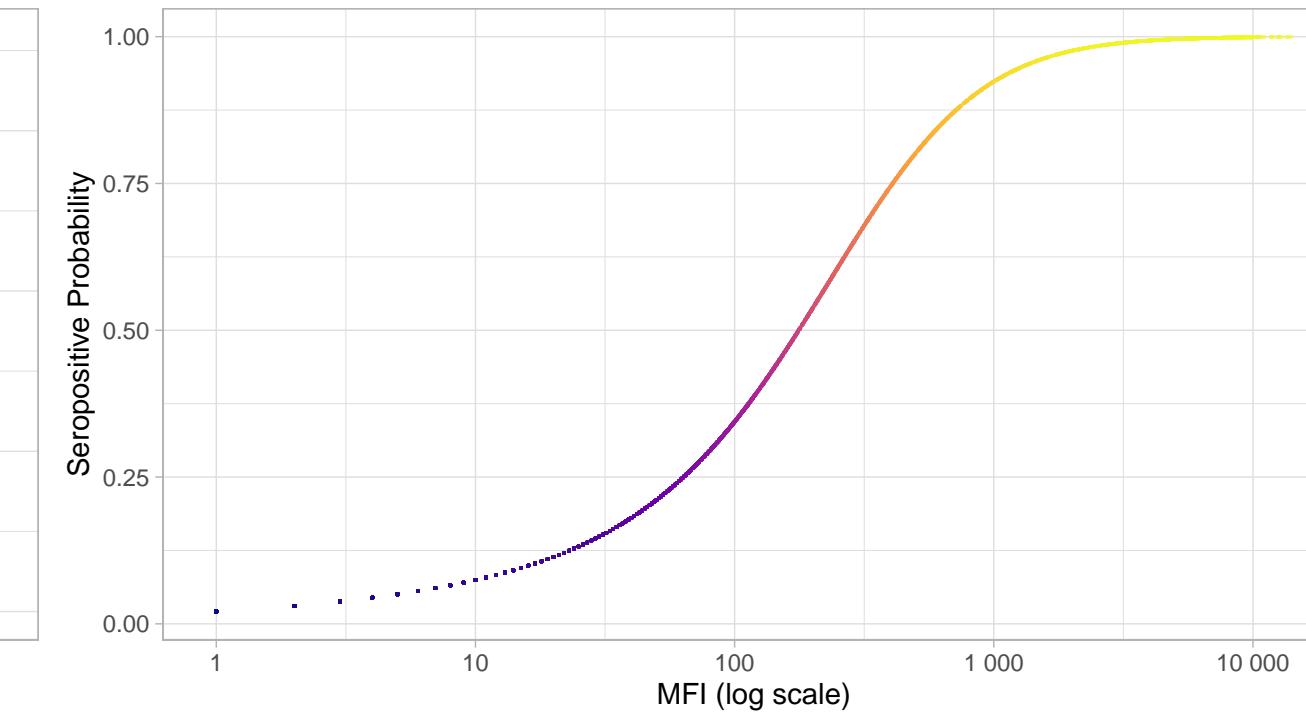
N=9424 | >0.95=689 | <0.05=1466 | Ambig=7269

Original MFI Distribution: hp_urea

Hard cutoff threshold = 130

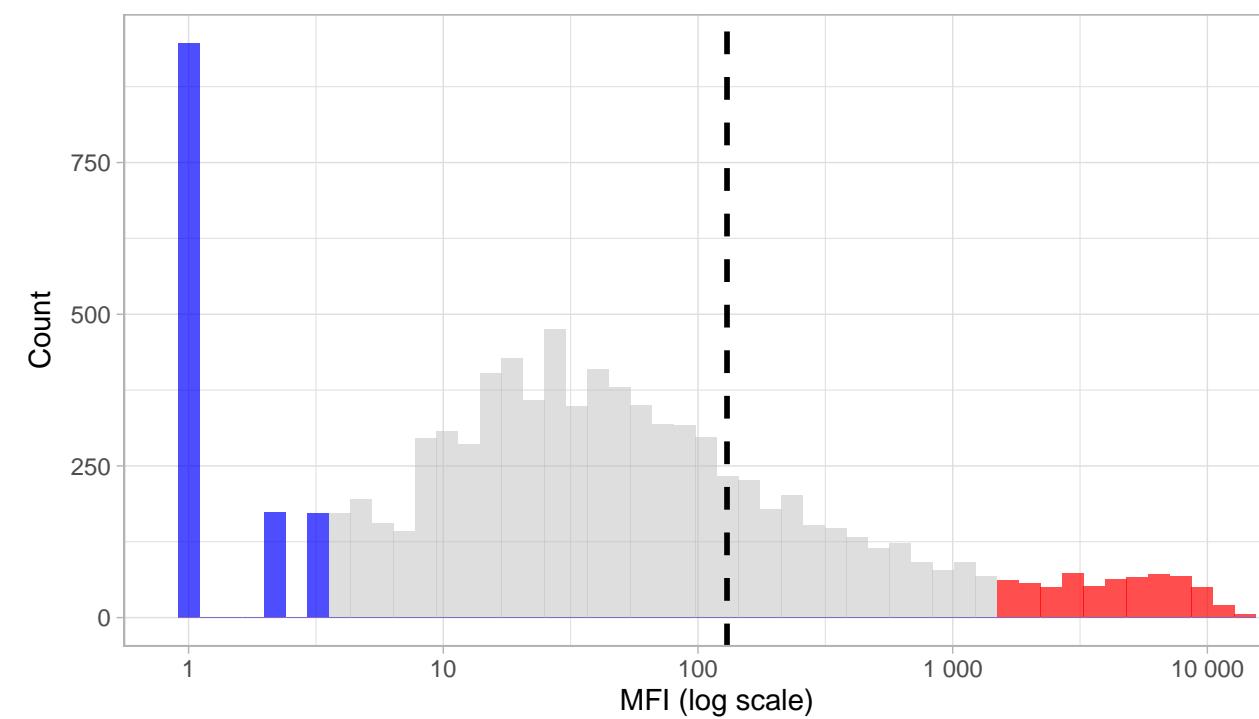


IgG vs Seropositive Probability: hp_urea



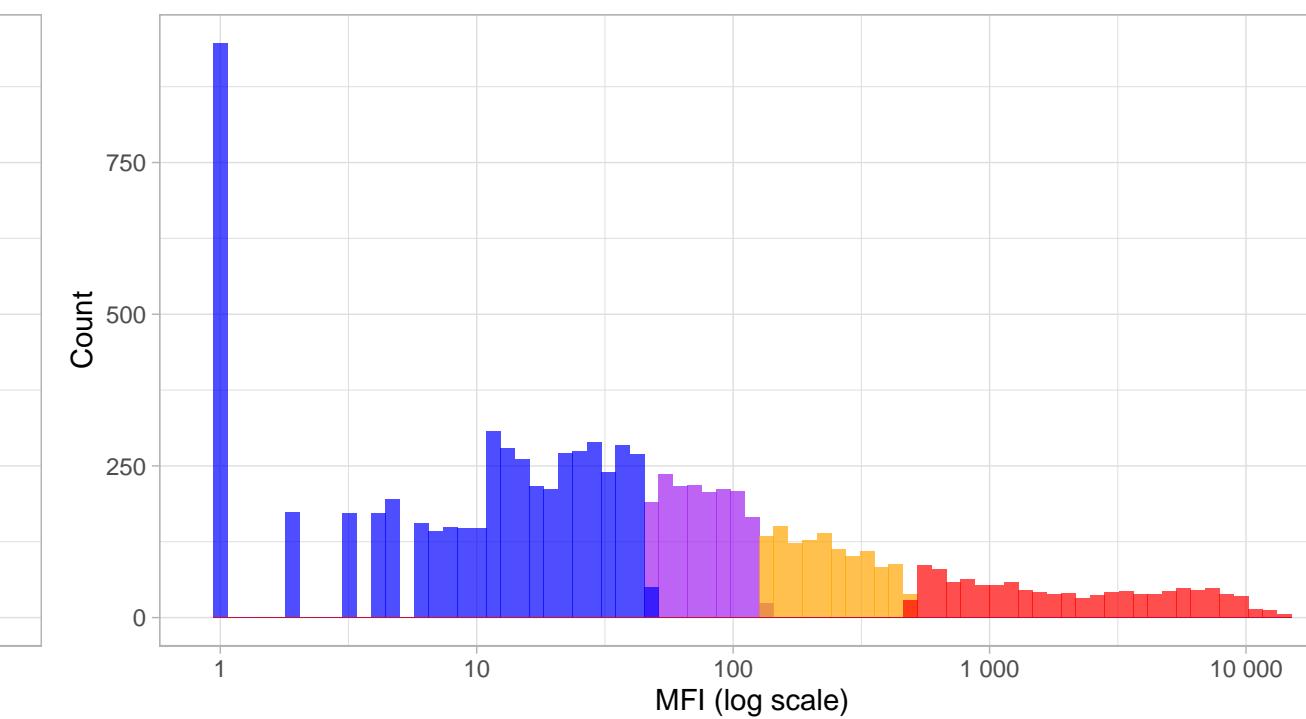
High-Confidence Seropositive Distribution: hp_urea

Prob threshold = 0.96



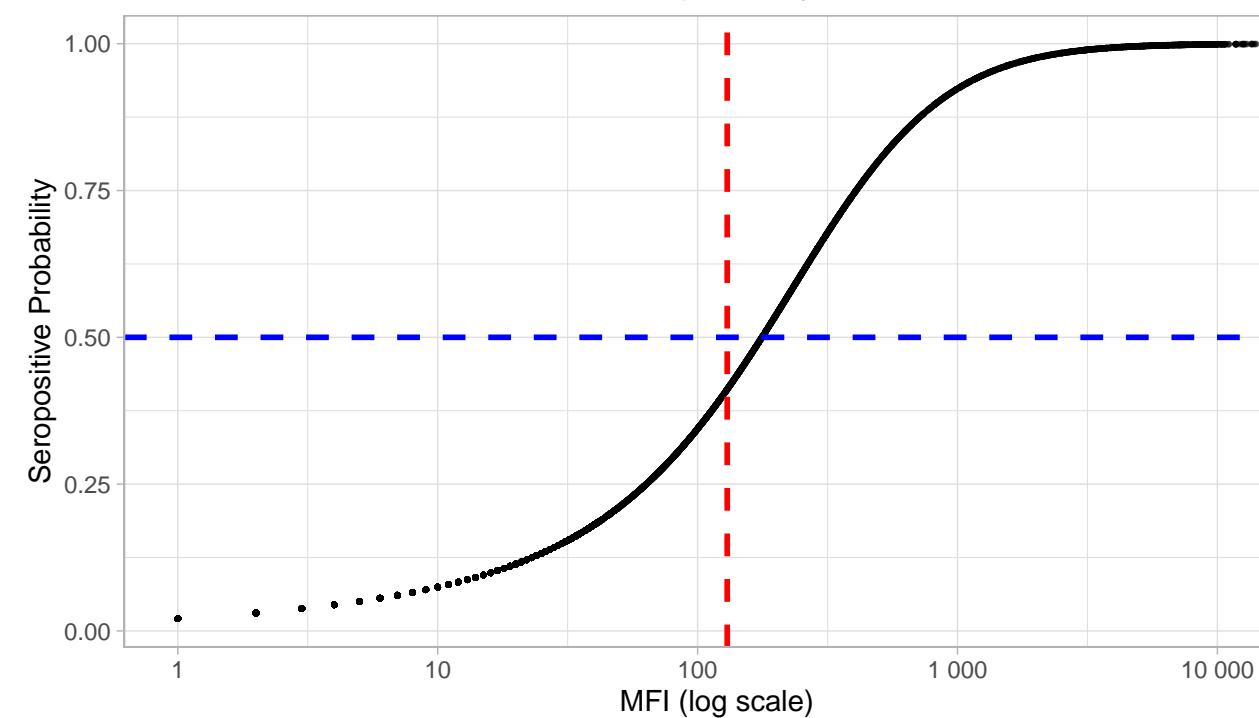
Phenotype Distribution by Classification: hp_urea

Comparing hard vs soft classifications



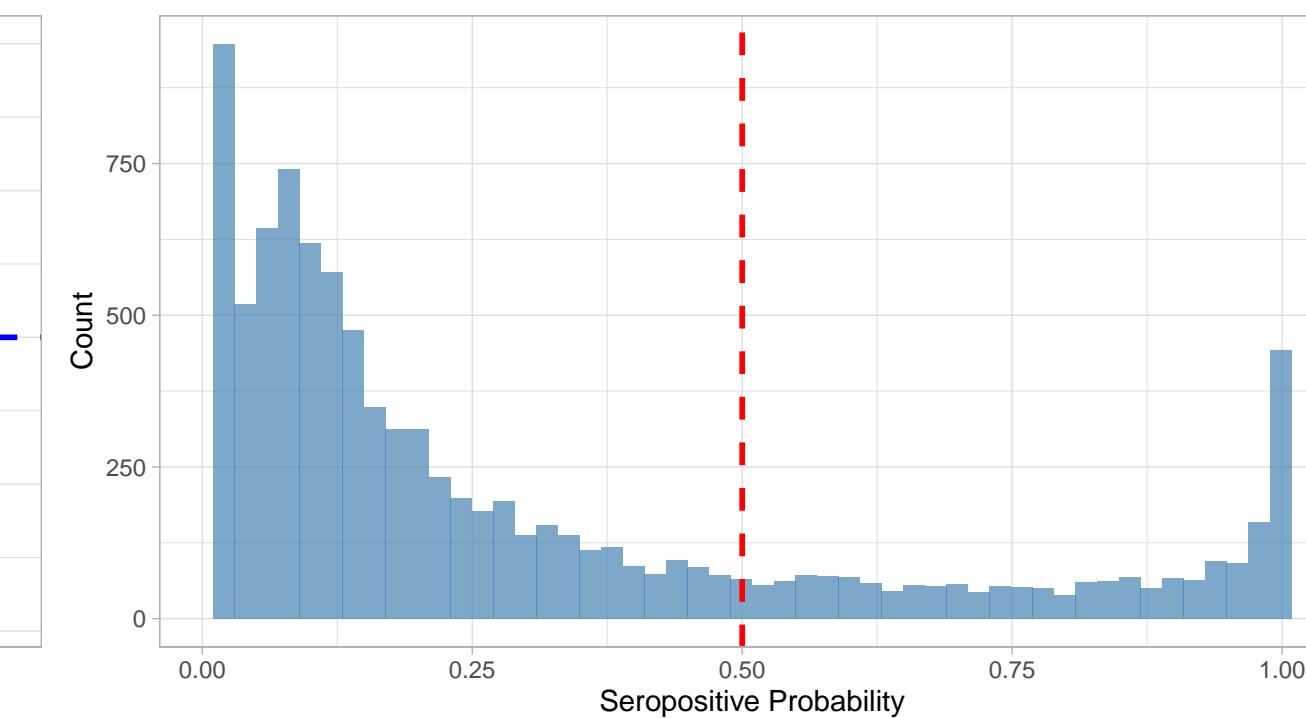
IgG Level vs Seropositive Probability: hp_urea

Red line = hard threshold, Blue line = 50% probability



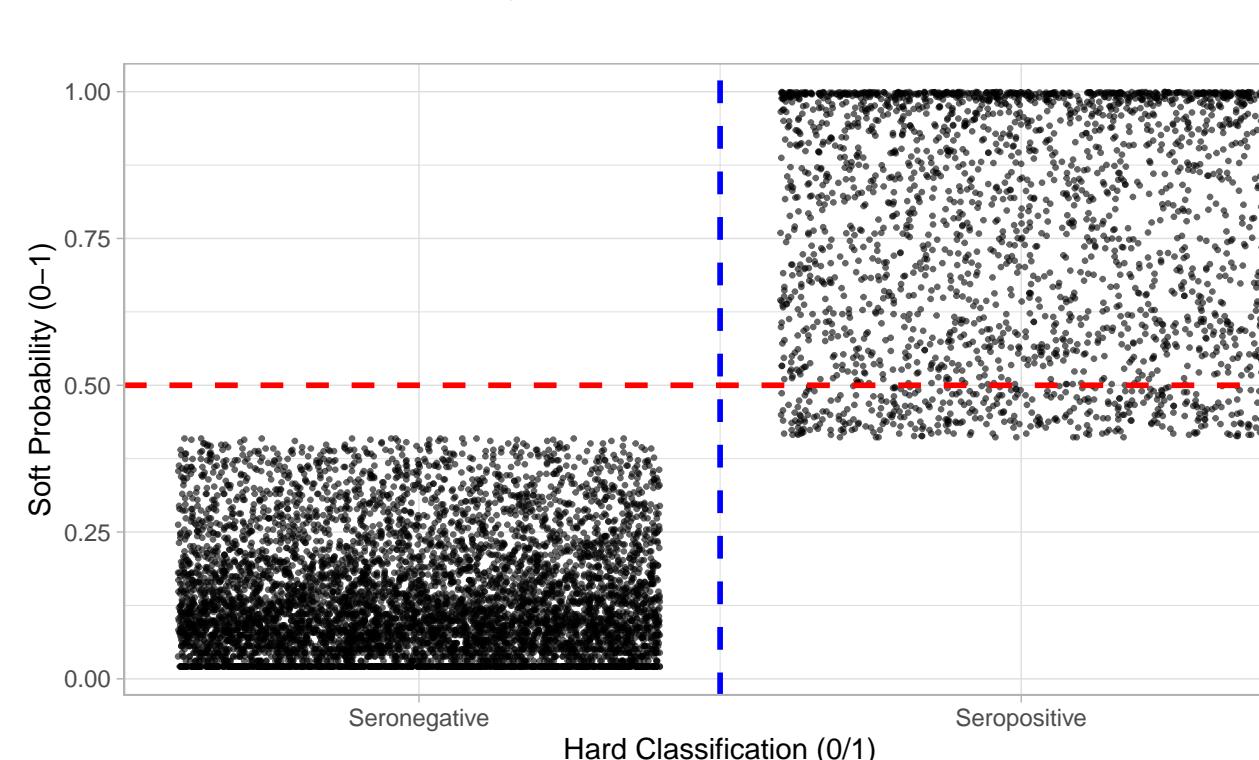
Distribution of Seropositive Probabilities: hp_urea

Red line = 50% threshold



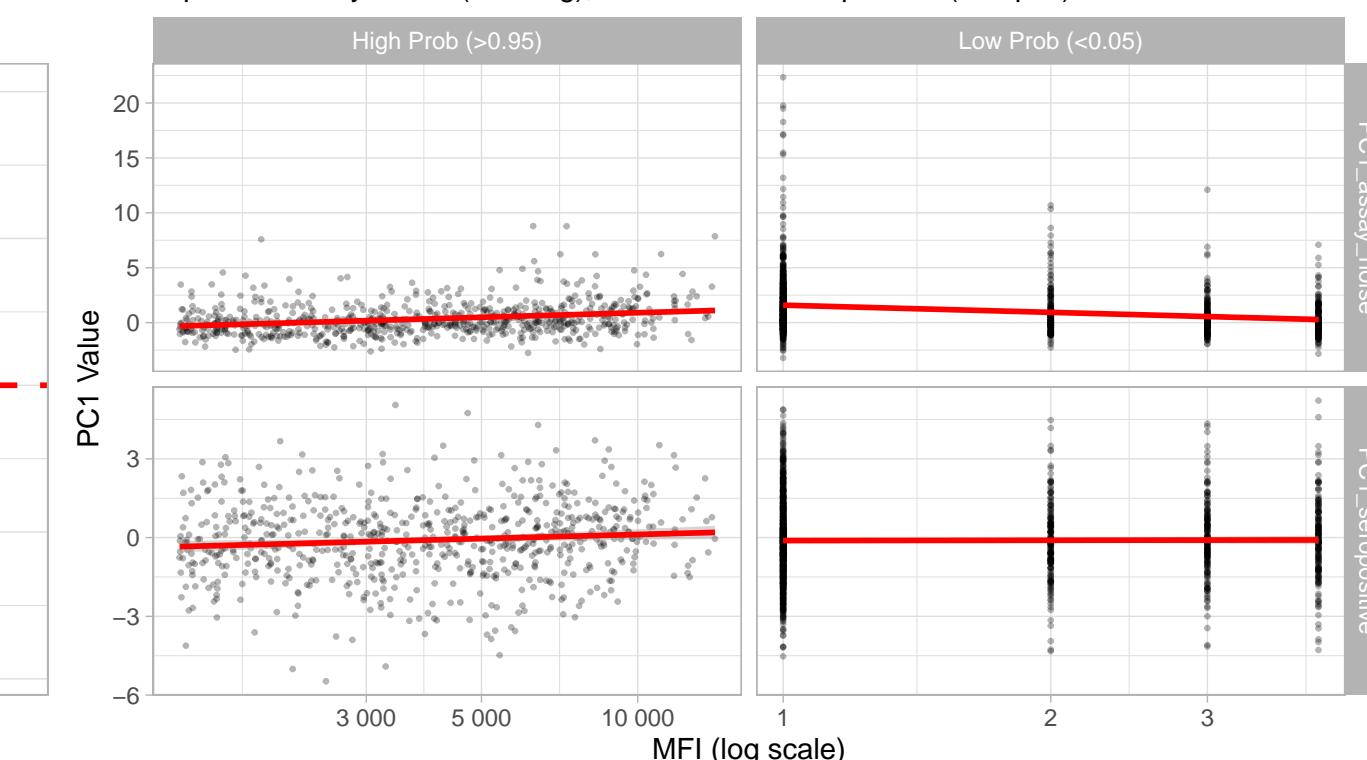
Hard vs Soft Classification: hp_urea

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hp_urea

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

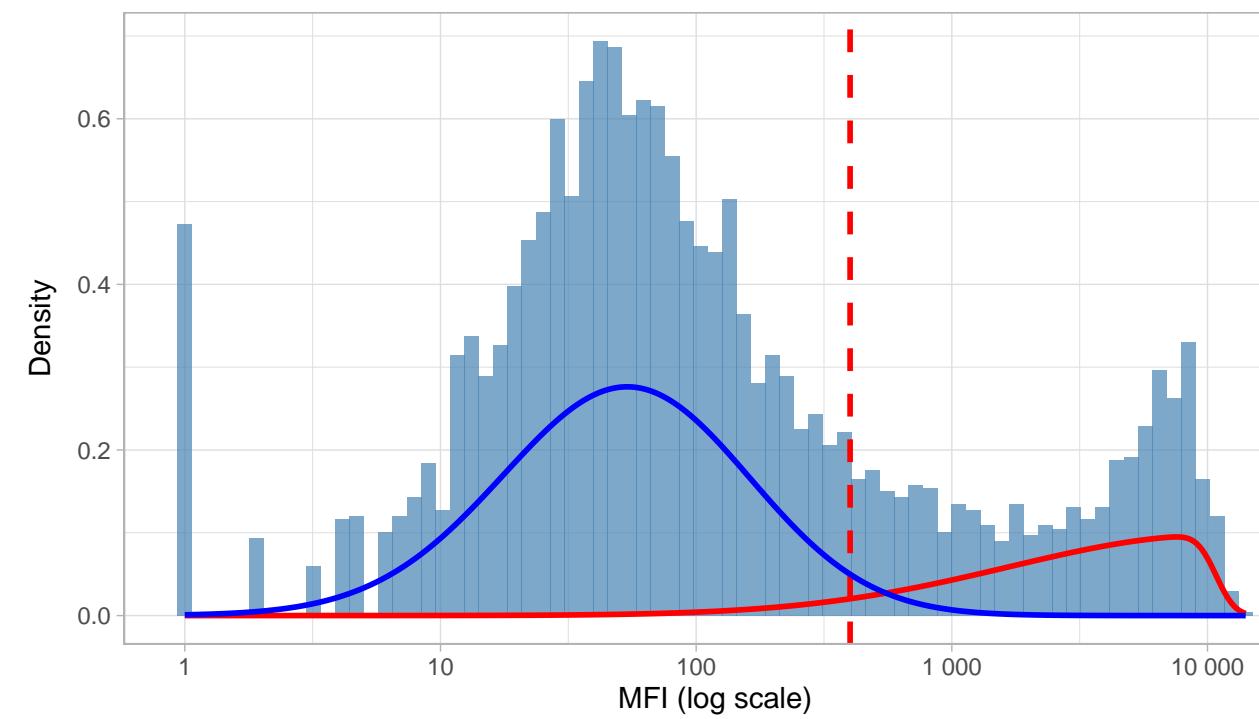


Diagnostics: hp_caga

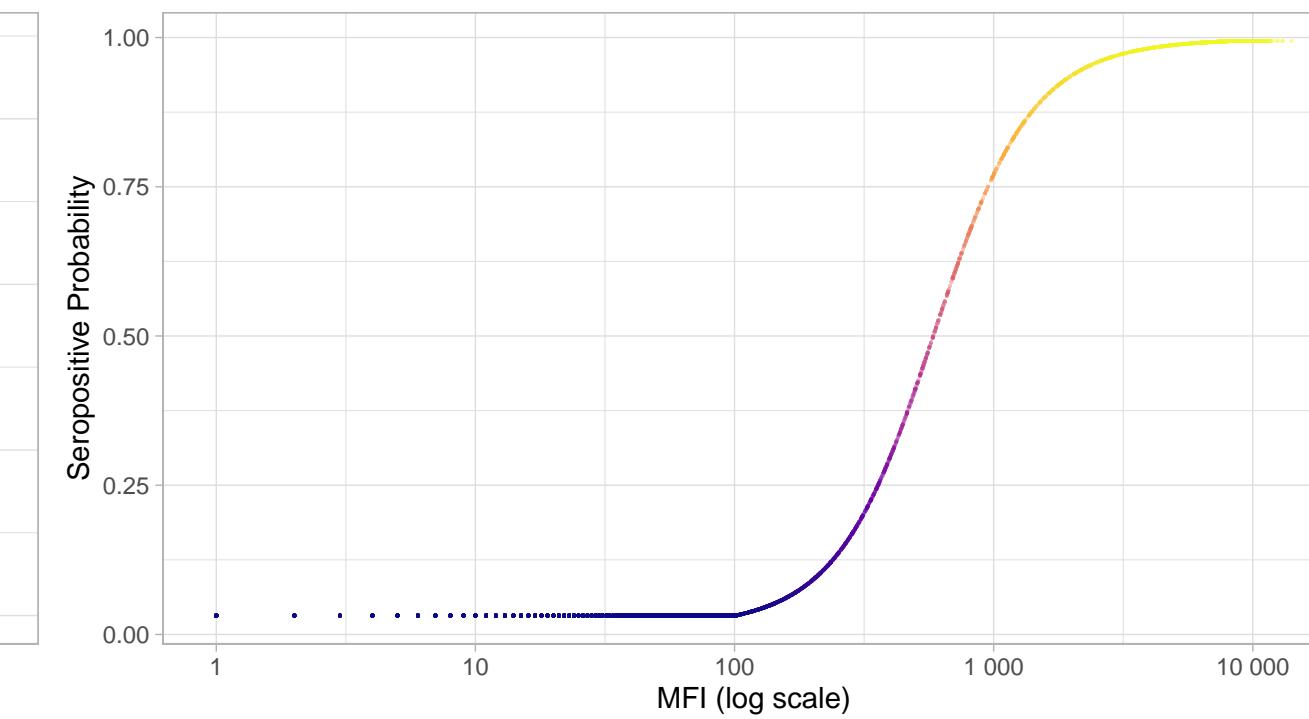
N=4754 | >0.95=632 | <0.05=3038 | Ambig=1084

Original MFI Distribution: hp_caga

Hard cutoff threshold = 400

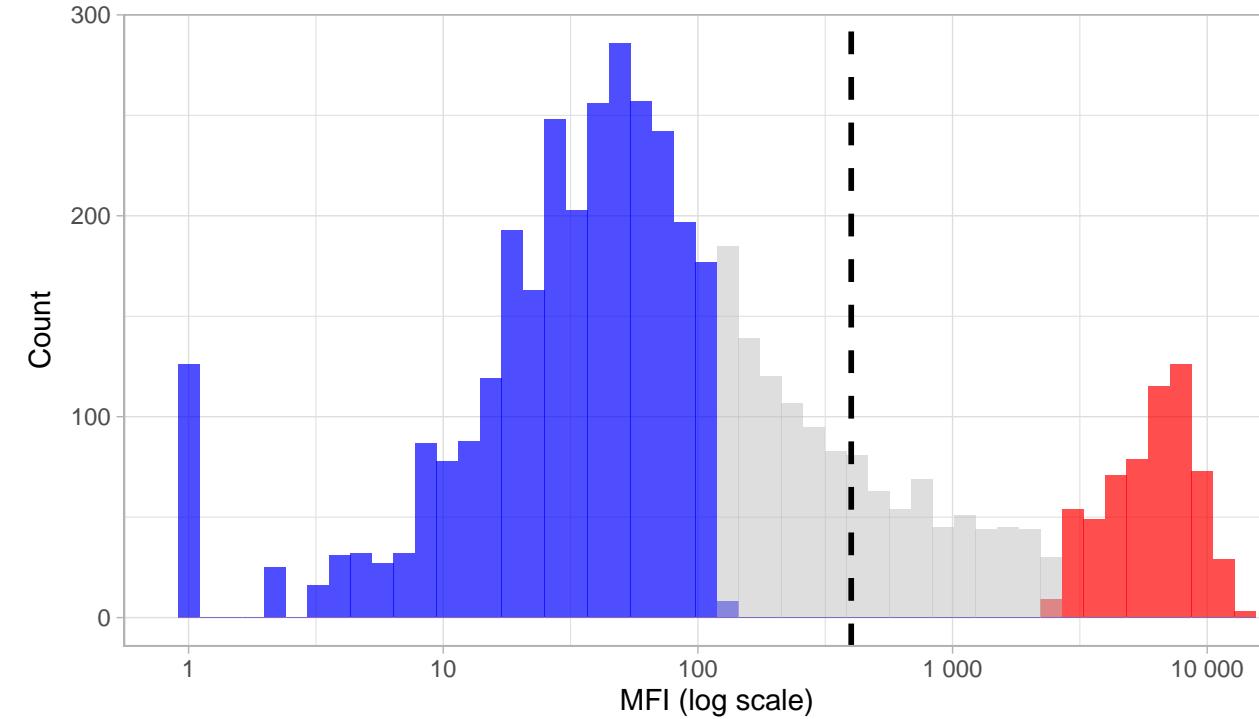


IgG vs Seropositive Probability: hp_caga



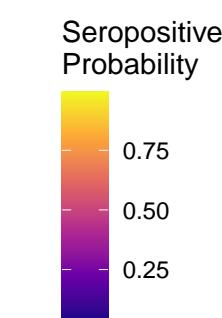
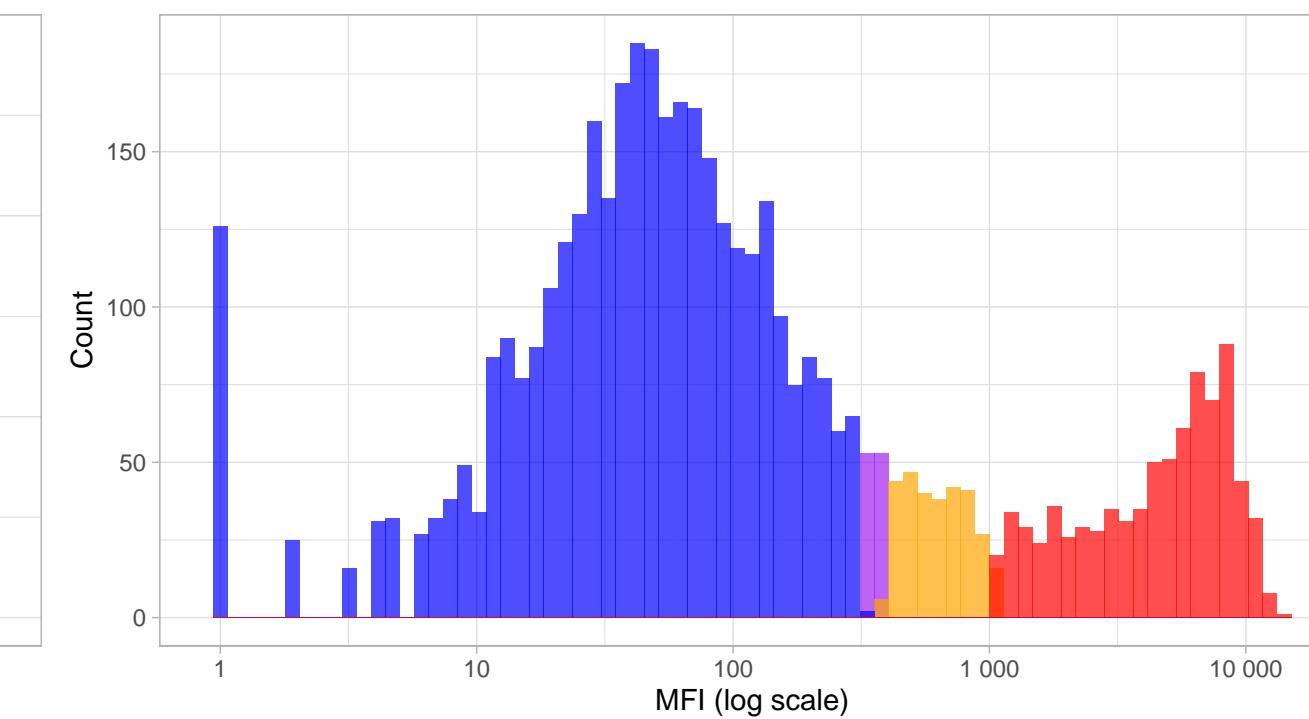
High-Confidence Seropositive Distribution: hp_caga

Prob threshold = 0.96

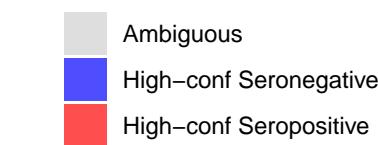


Phenotype Distribution by Classification: hp_caga

Comparing hard vs soft classifications

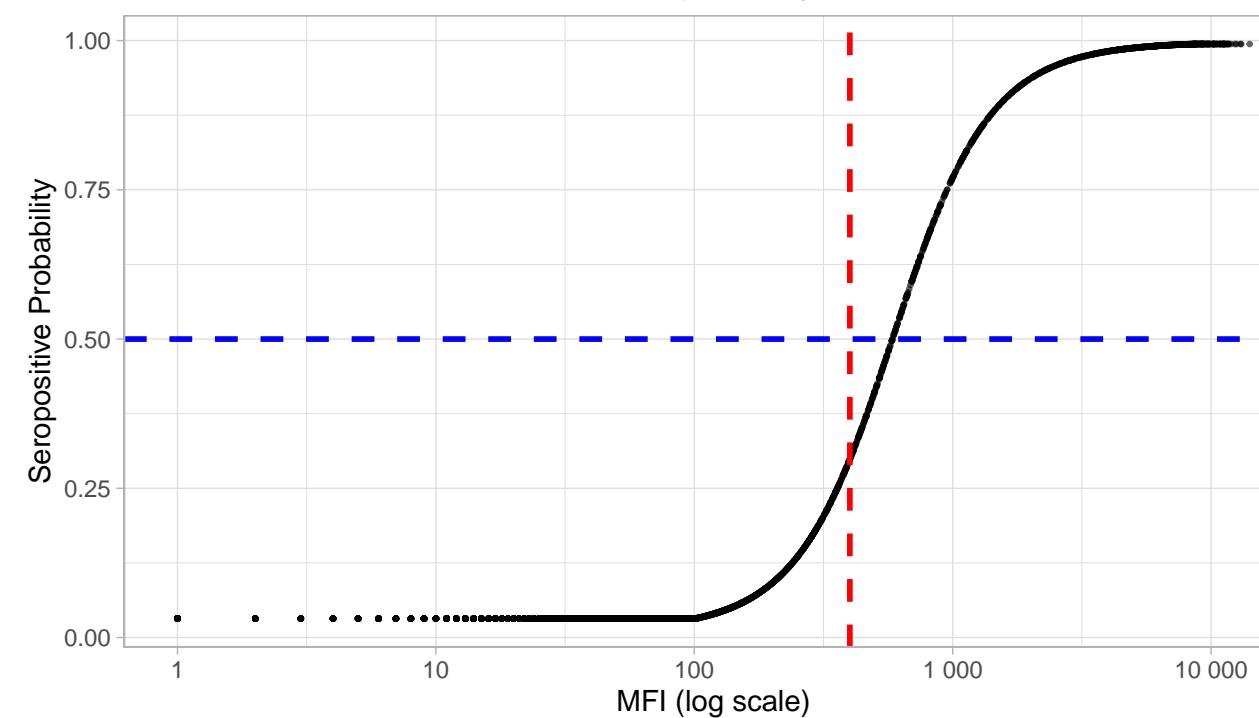


Classification



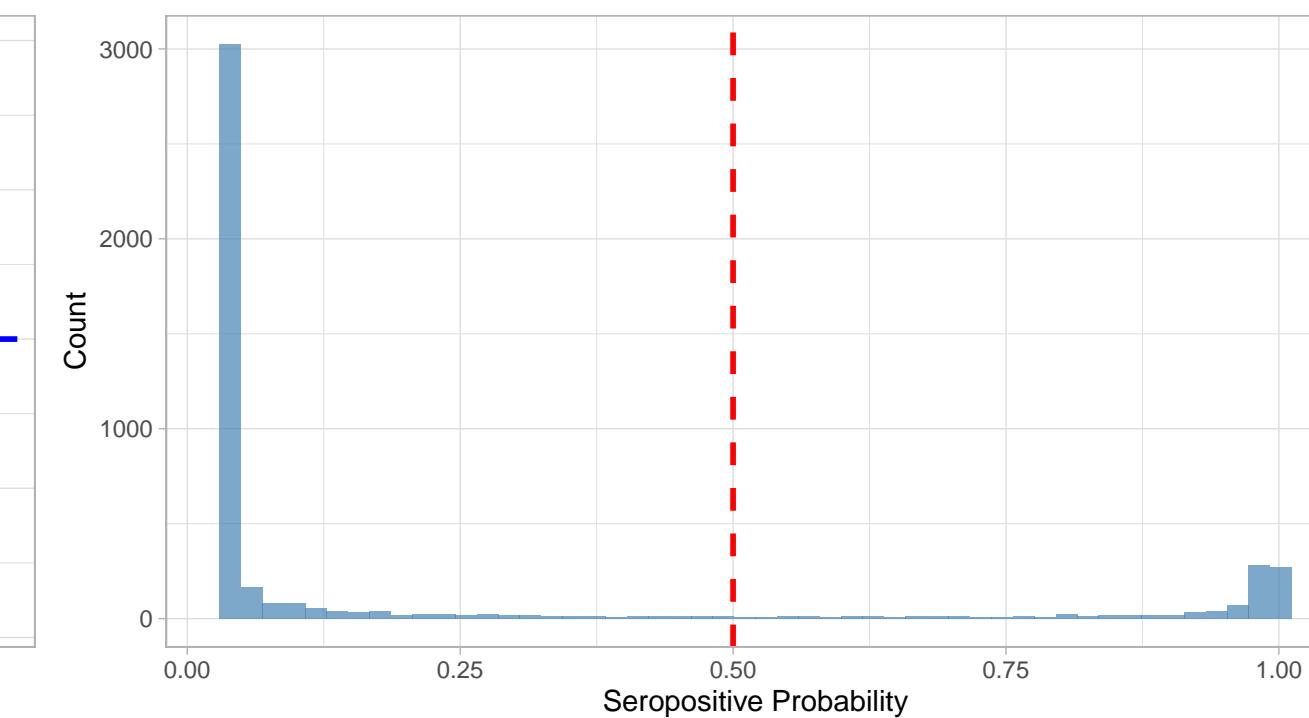
IgG Level vs Seropositive Probability: hp_caga

Red line = hard threshold, Blue line = 50% probability



Distribution of Seropositive Probabilities: hp_caga

Red line = 50% threshold

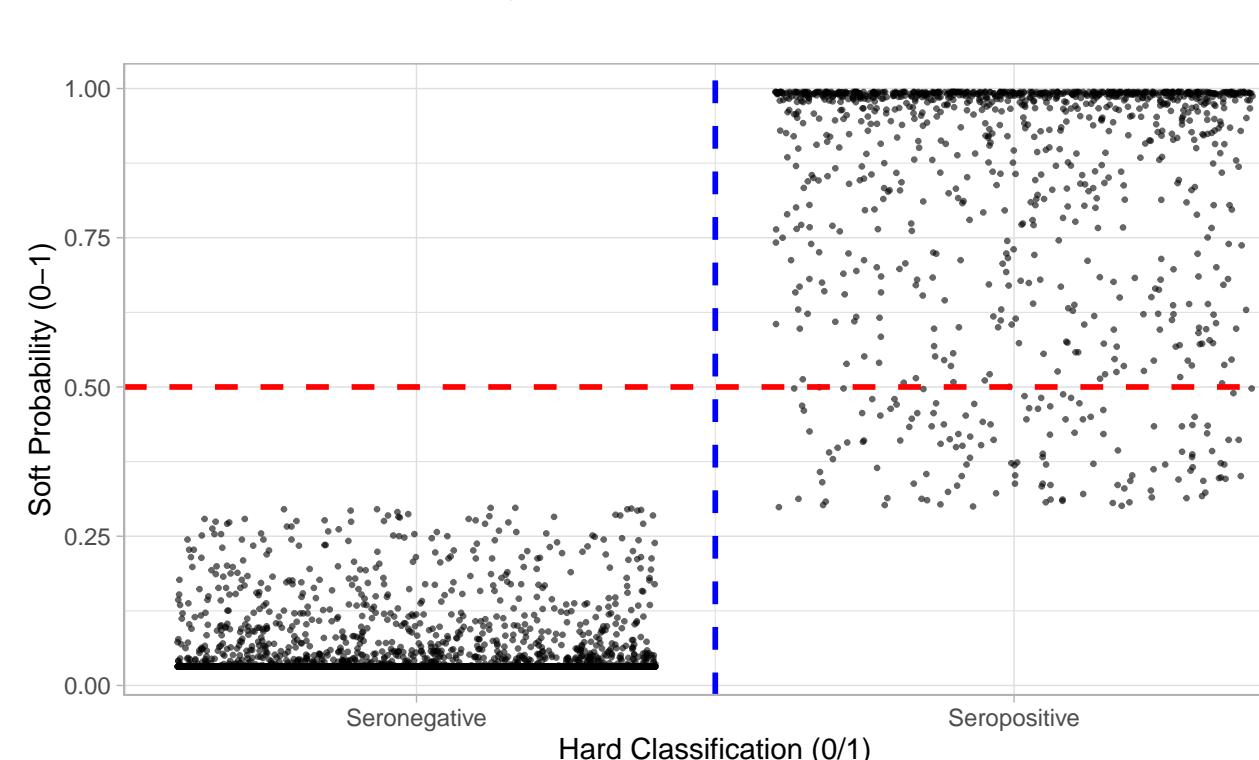


Classification



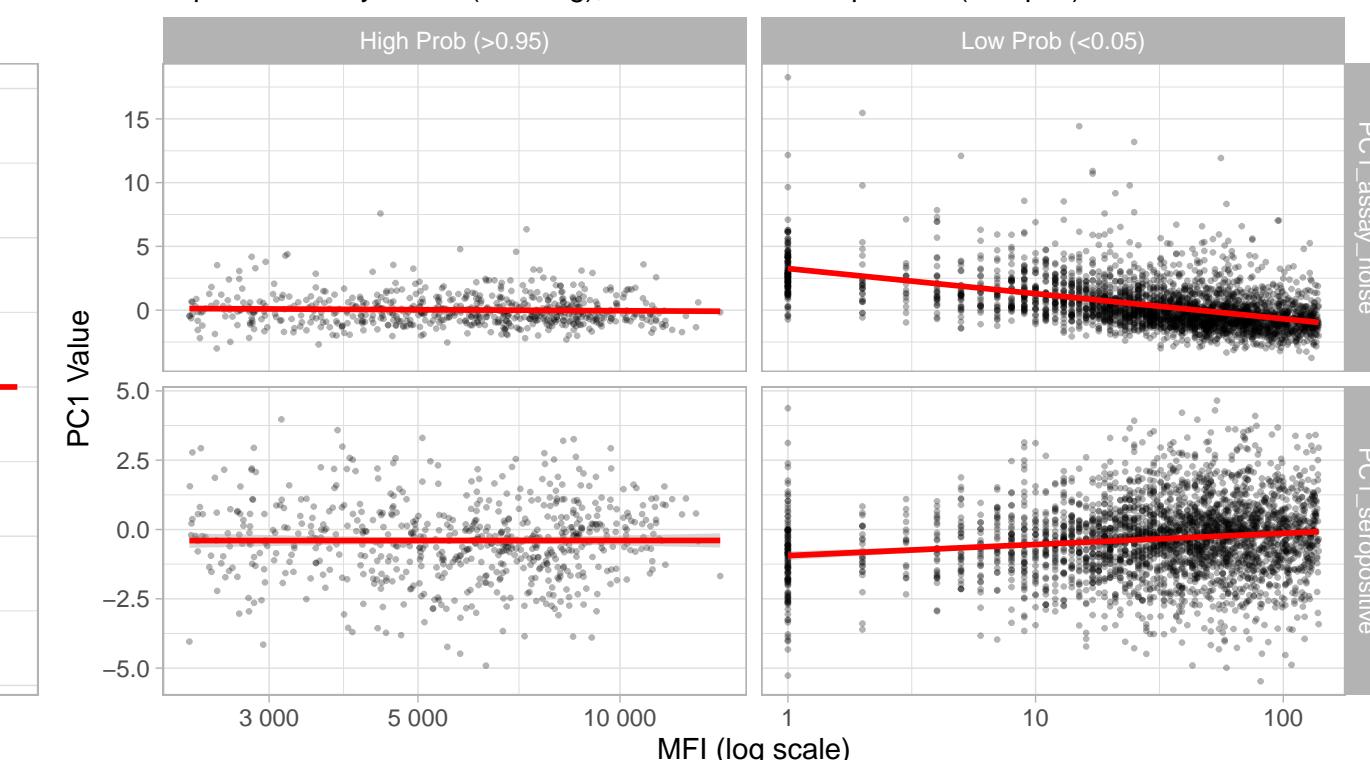
Hard vs Soft Classification: hp_caga

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hp_caga

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

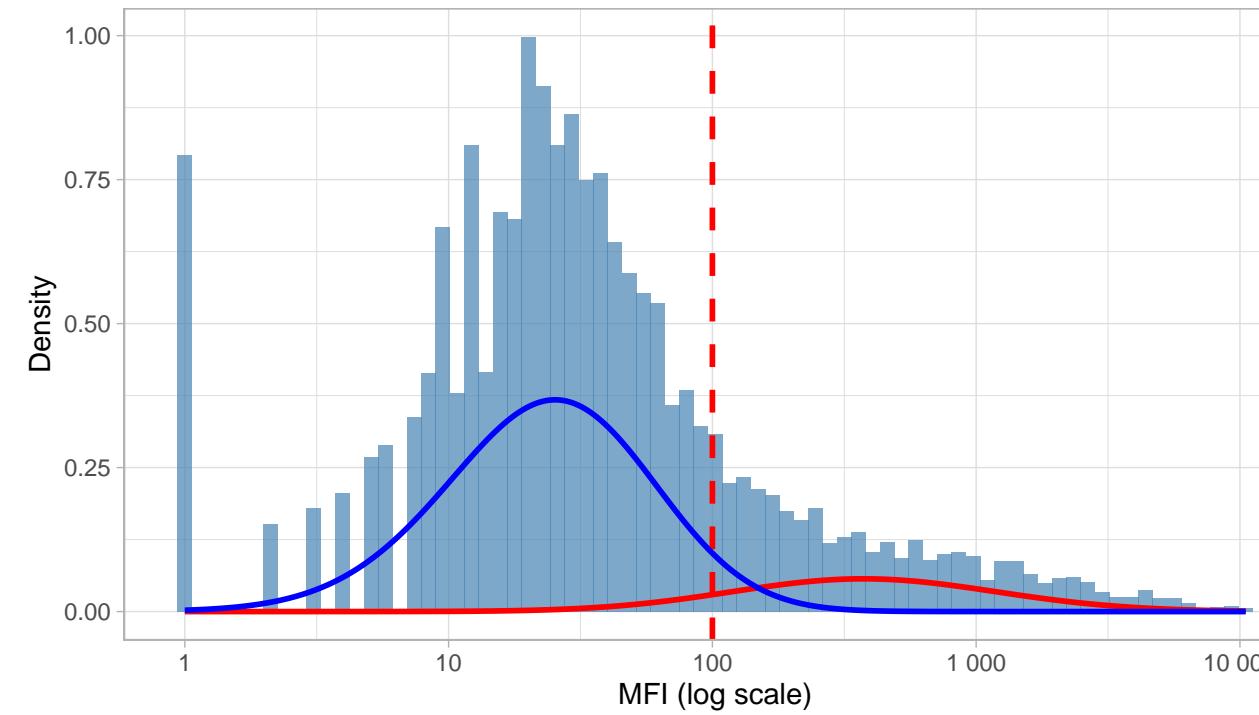


Diagnostics: hp_vaca

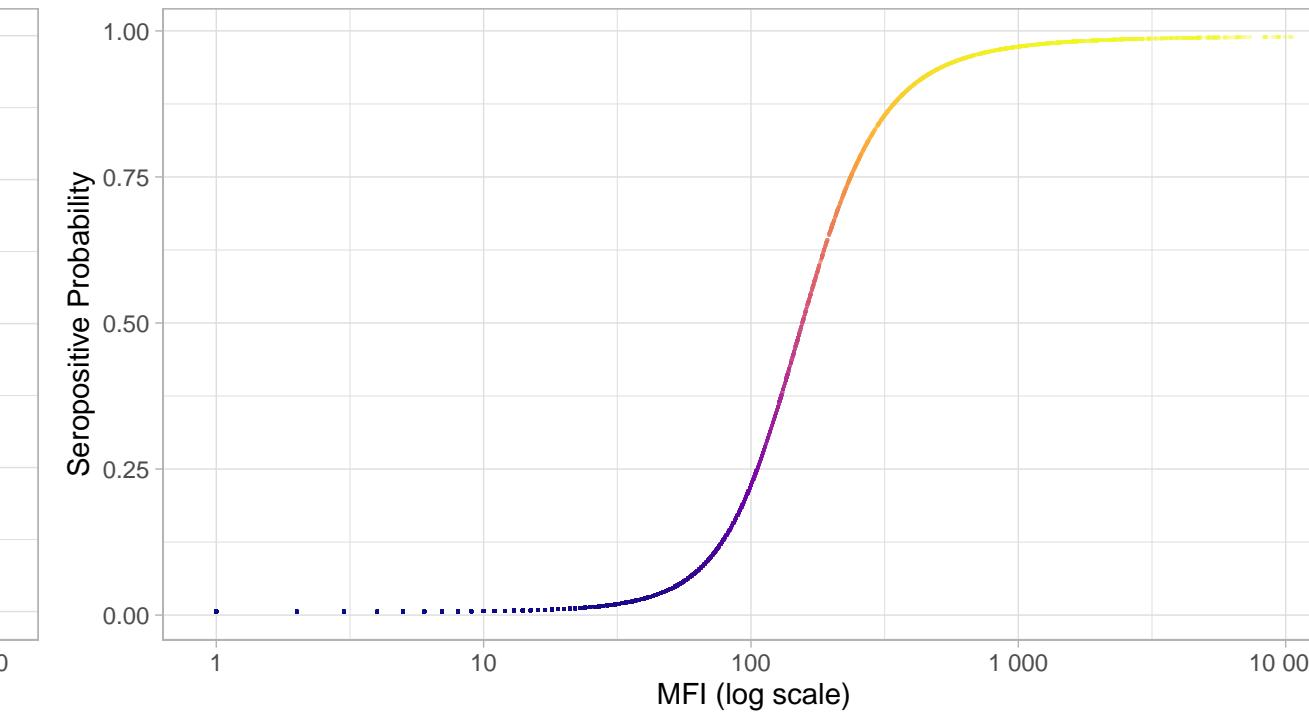
N=9424 | >0.95=601 | <0.05=6501 | Ambig=2322

Original MFI Distribution: hp_vaca

Hard cutoff threshold = 100

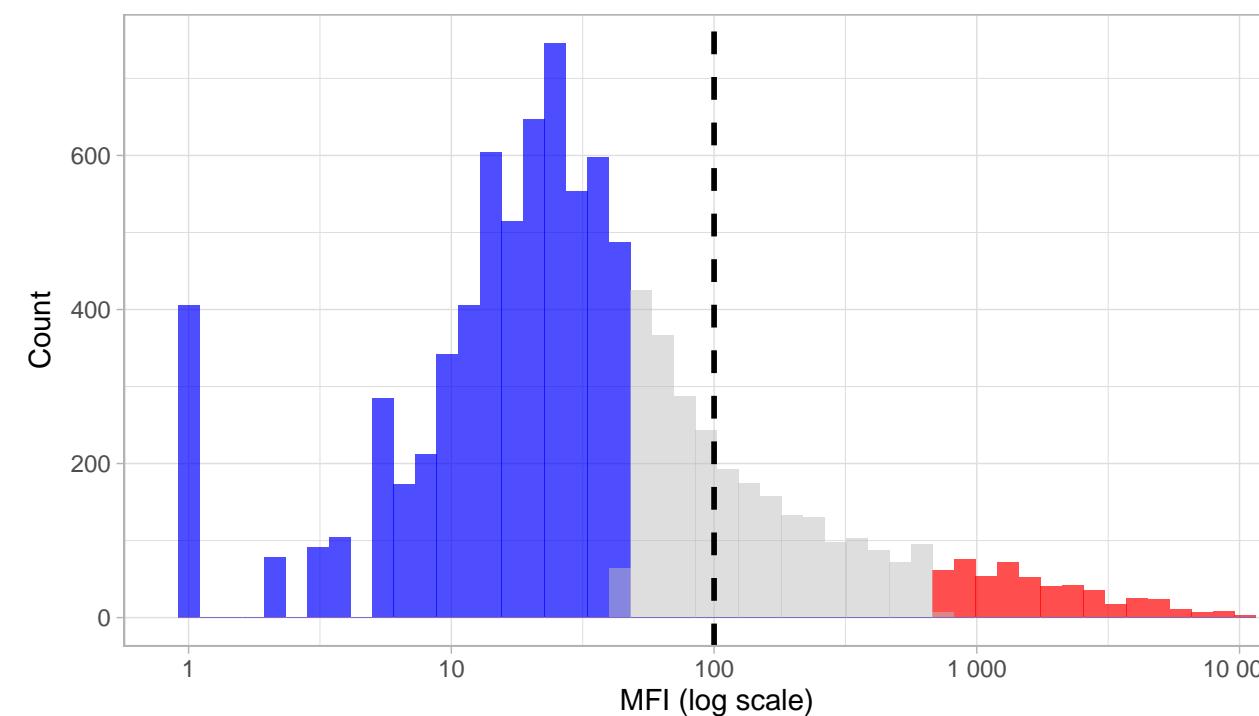


IgG vs Seropositive Probability: hp_vaca



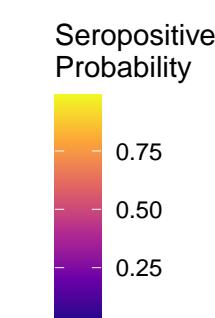
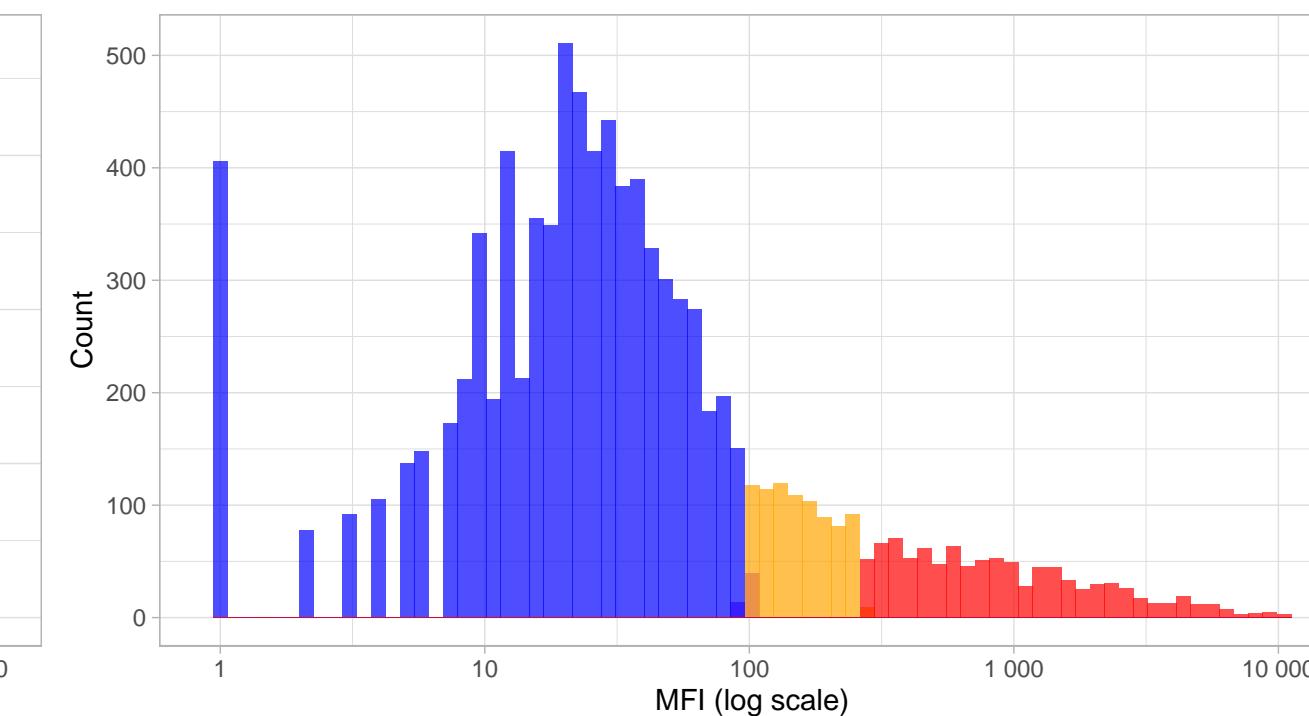
High-Confidence Seropositive Distribution: hp_vaca

Prob threshold = 0.96

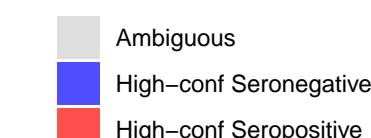


Phenotype Distribution by Classification: hp_vaca

Comparing hard vs soft classifications

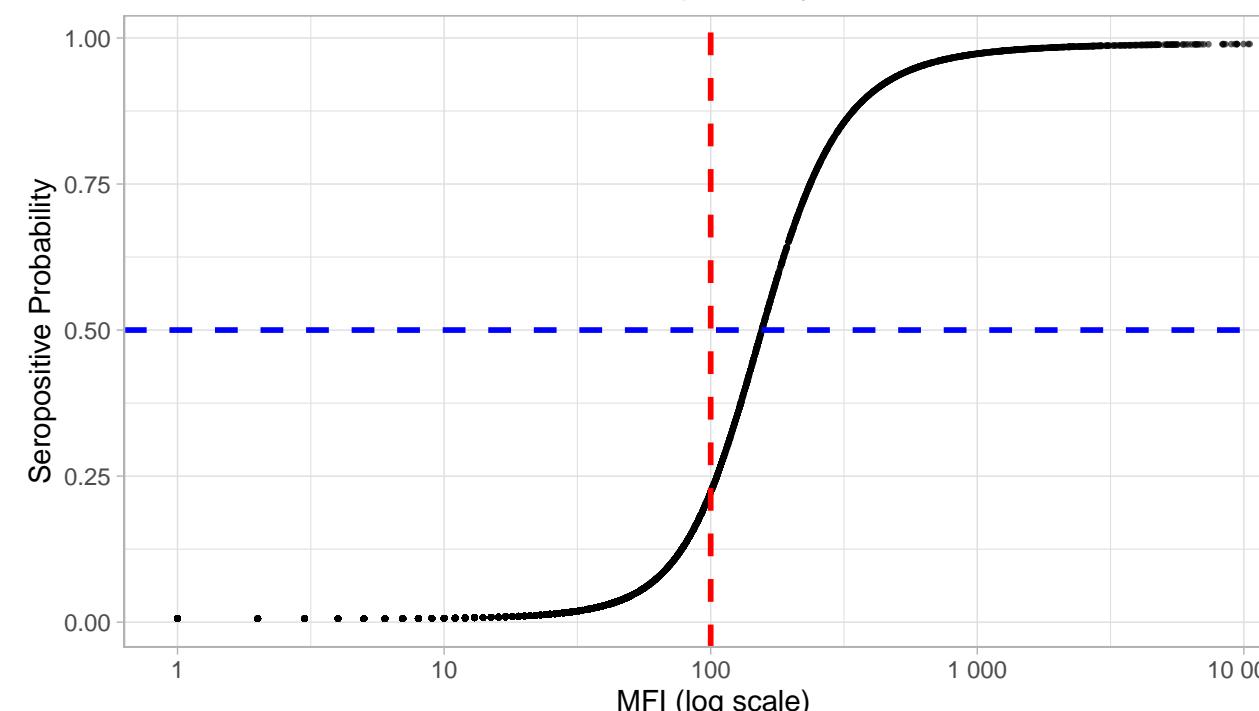


Classification



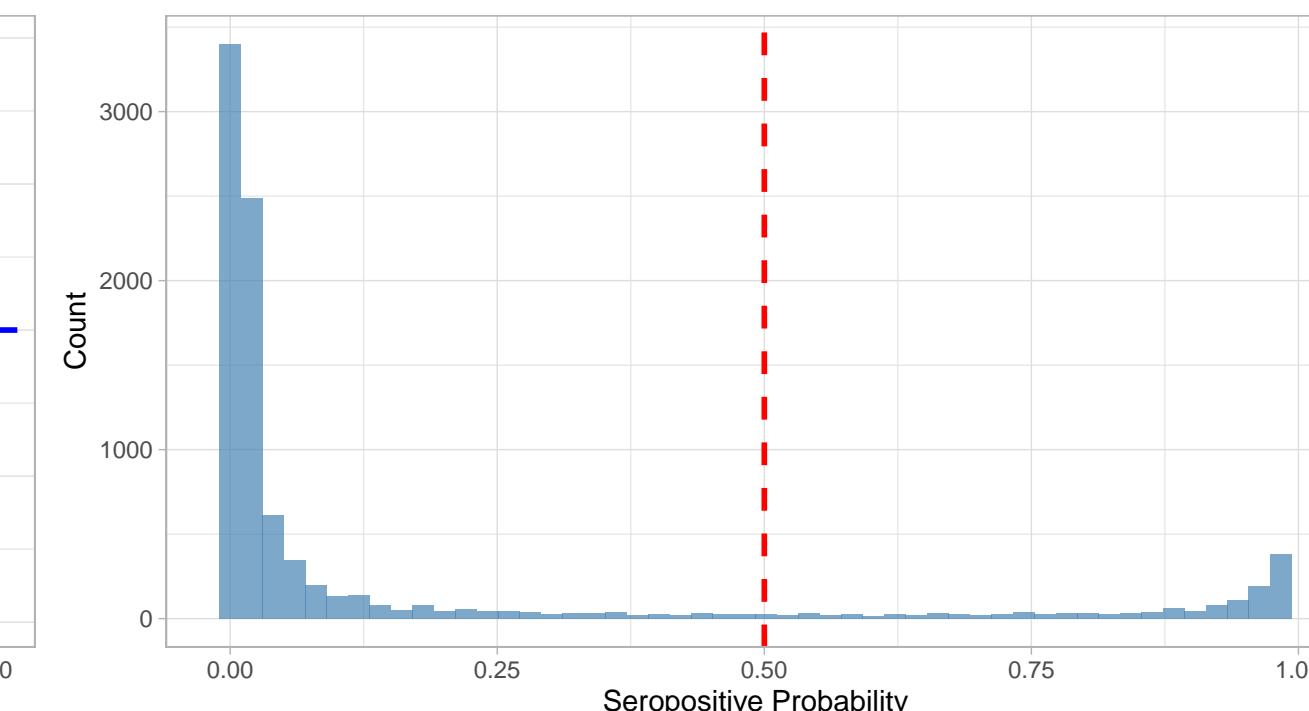
IgG Level vs Seropositive Probability: hp_vaca

Red line = hard threshold, Blue line = 50% probability



Distribution of Seropositive Probabilities: hp_vaca

Red line = 50% threshold

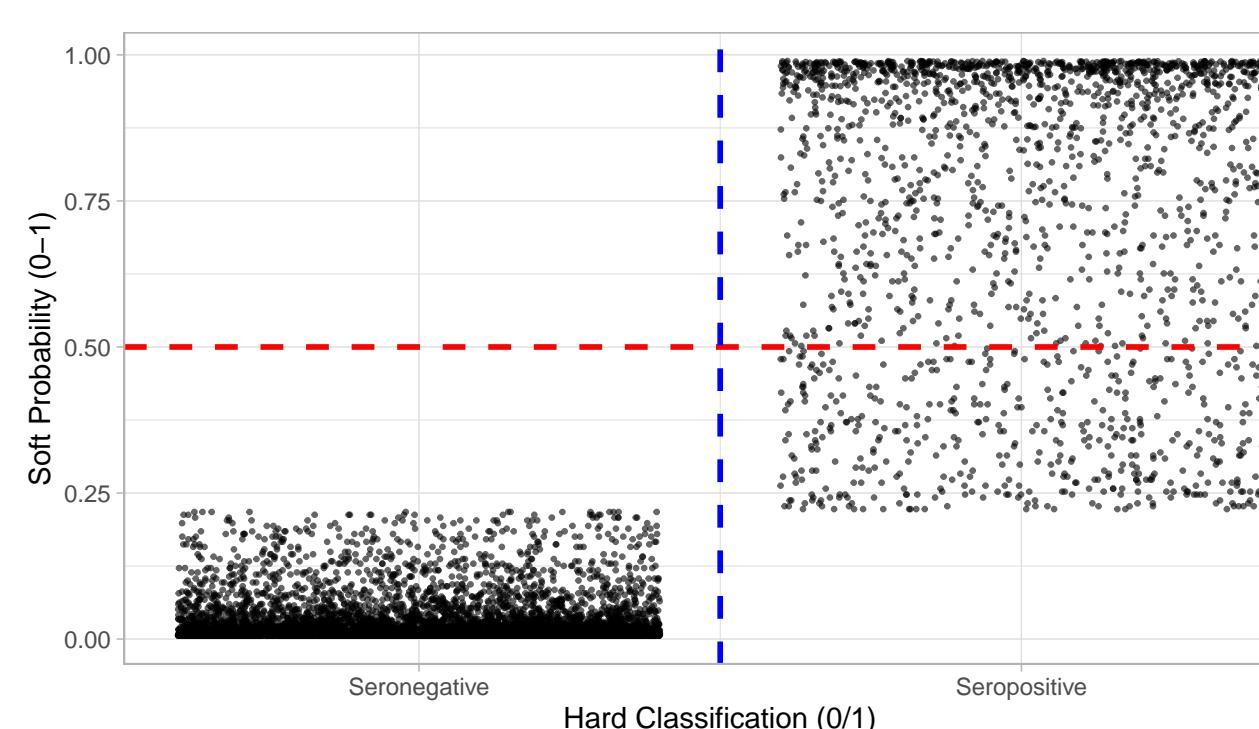


Classification



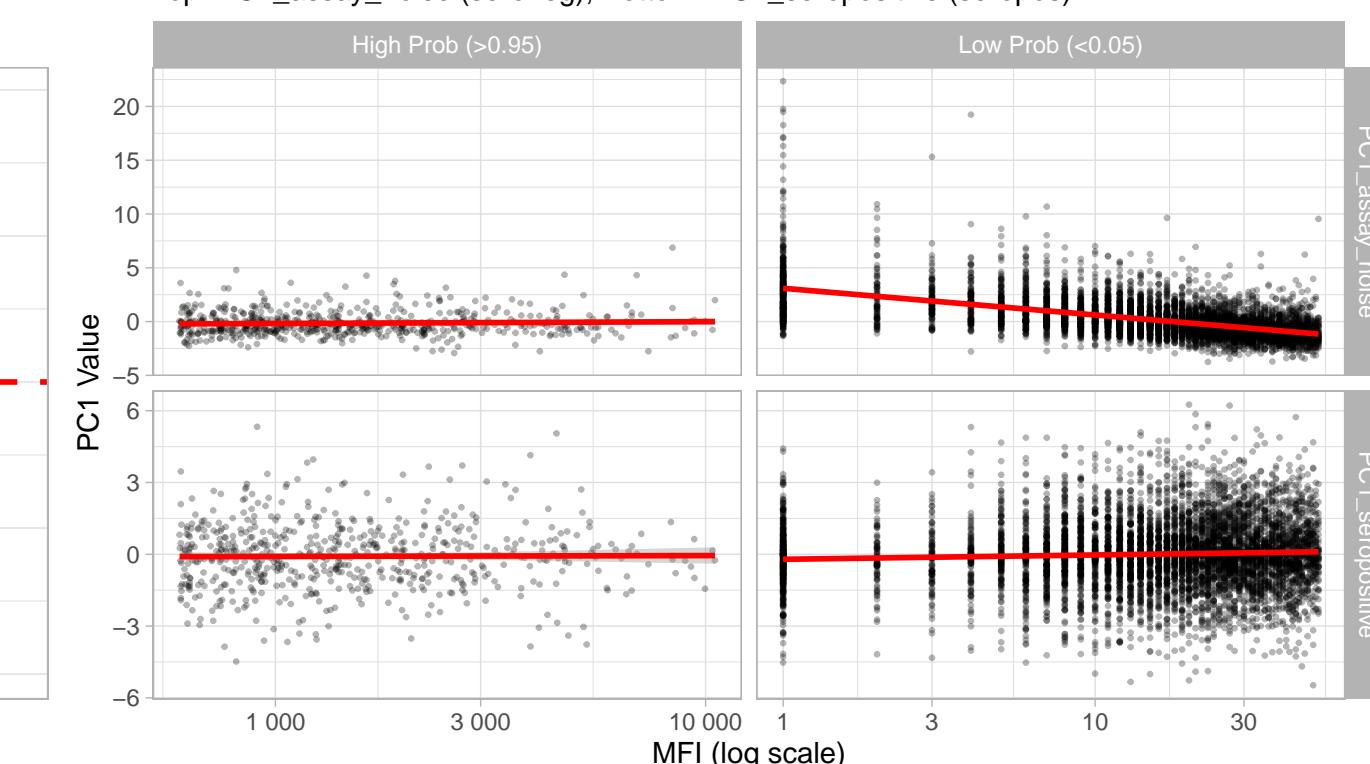
Hard vs Soft Classification: hp_vaca

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hp_vaca

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

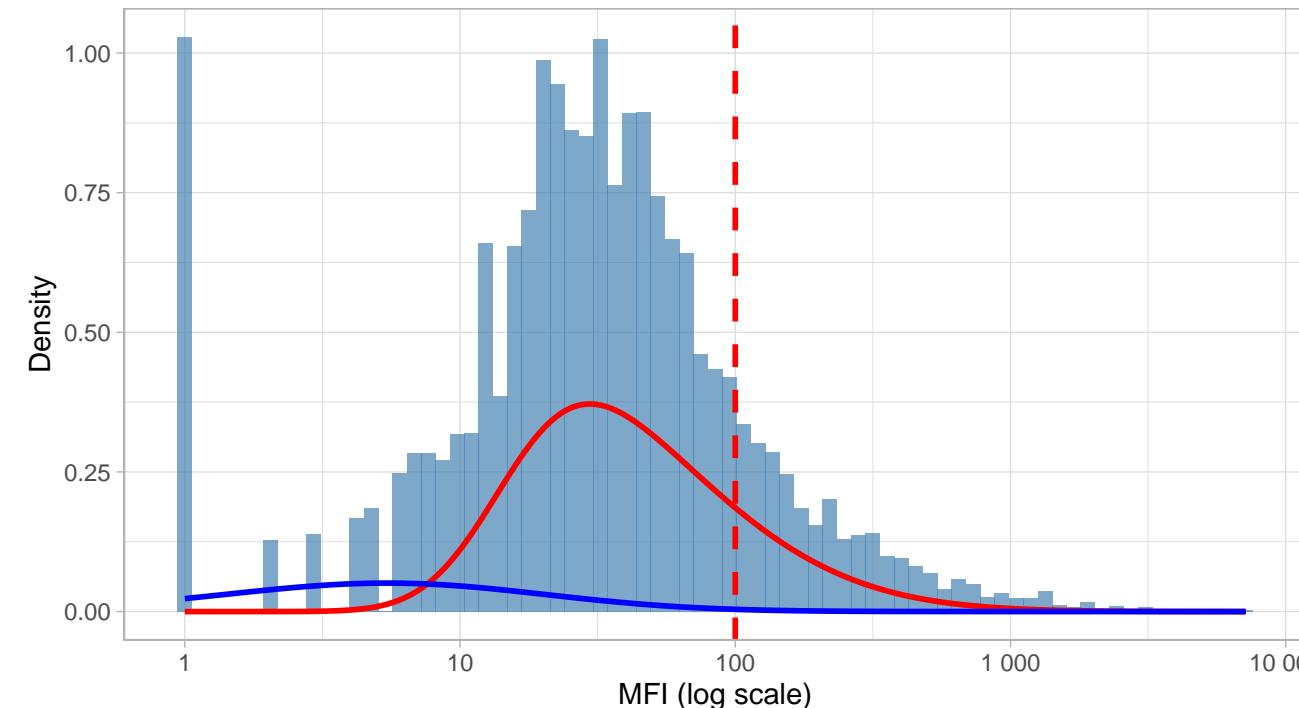


Diagnostics: toxo_p22

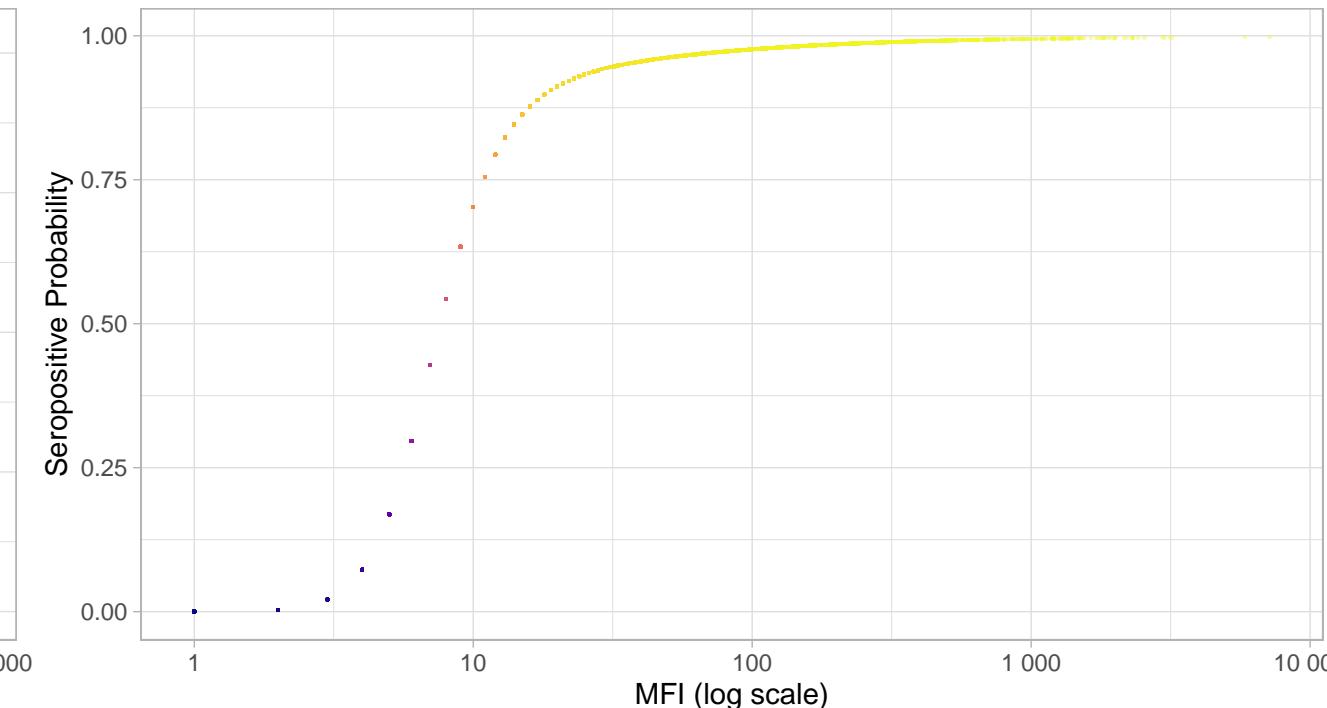
N=9424 | >0.95=4289 | <0.05=636 | Ambig=4499

Original MFI Distribution: toxo_p22

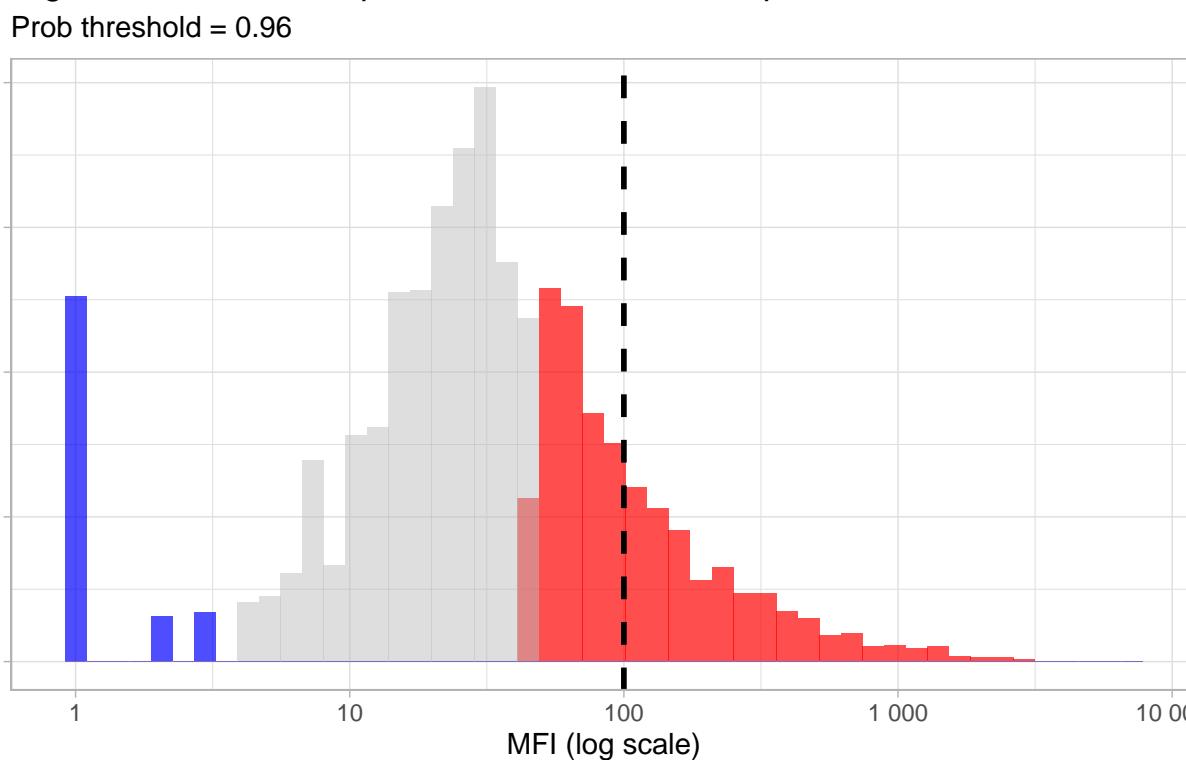
Hard cutoff threshold = 100



IgG vs Seropositive Probability: toxo_p22

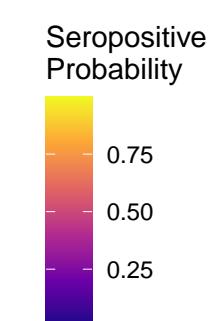
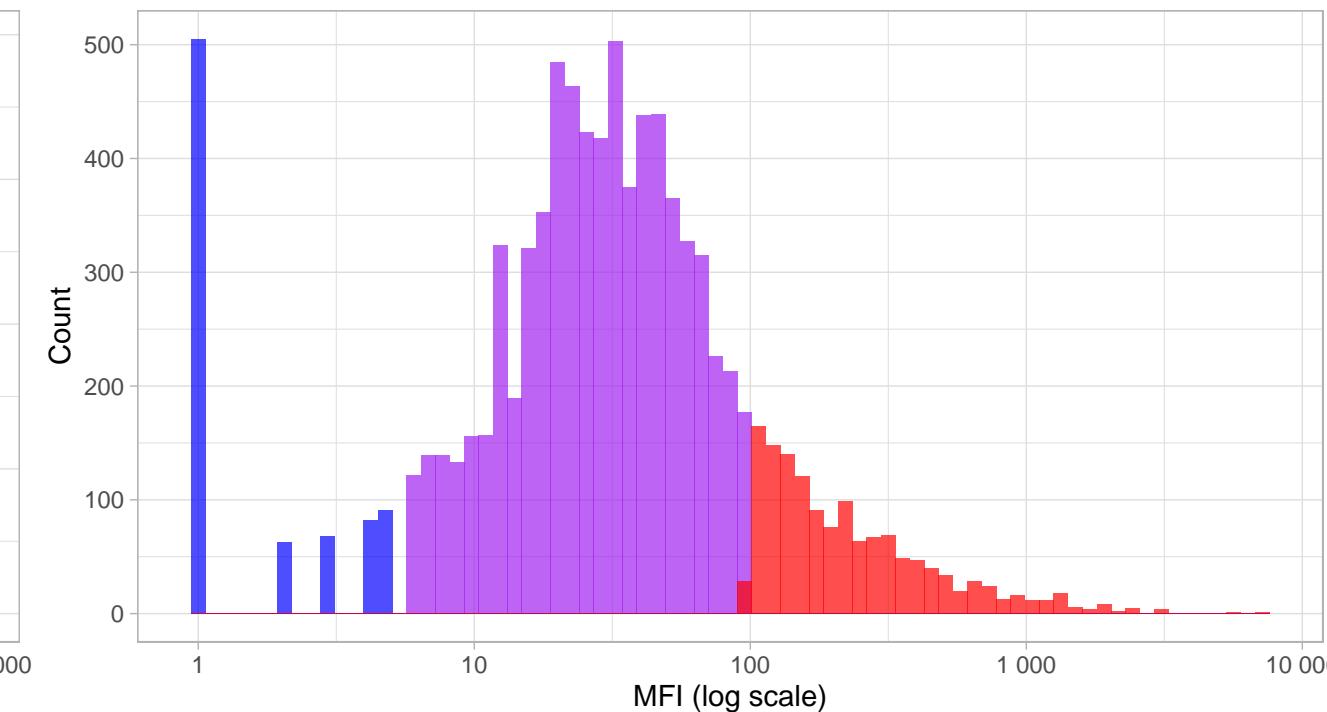


High-Confidence Seropositive Distribution: toxo_p22



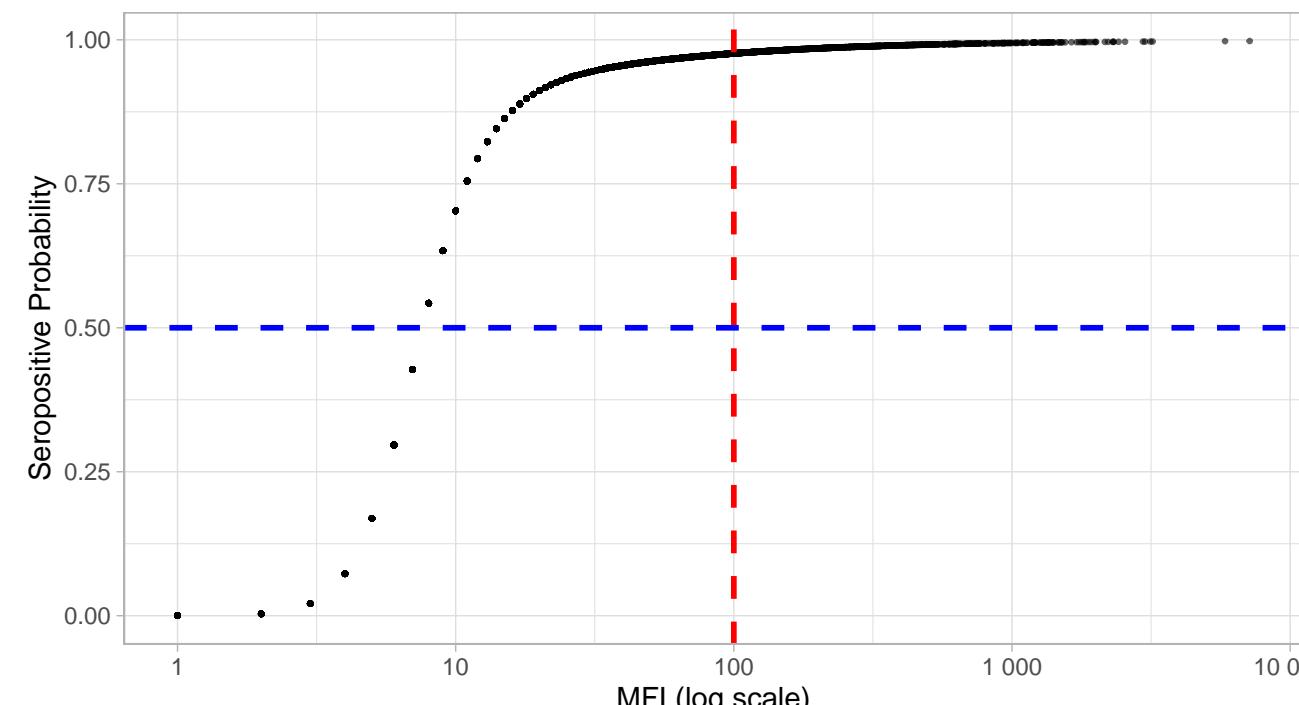
Phenotype Distribution by Classification: toxo_p22

Comparing hard vs soft classifications



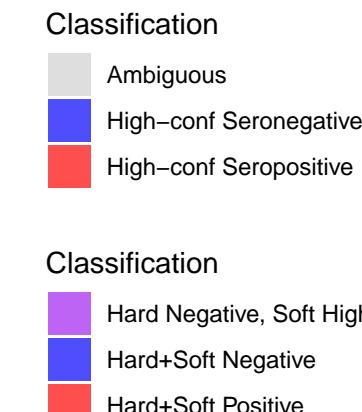
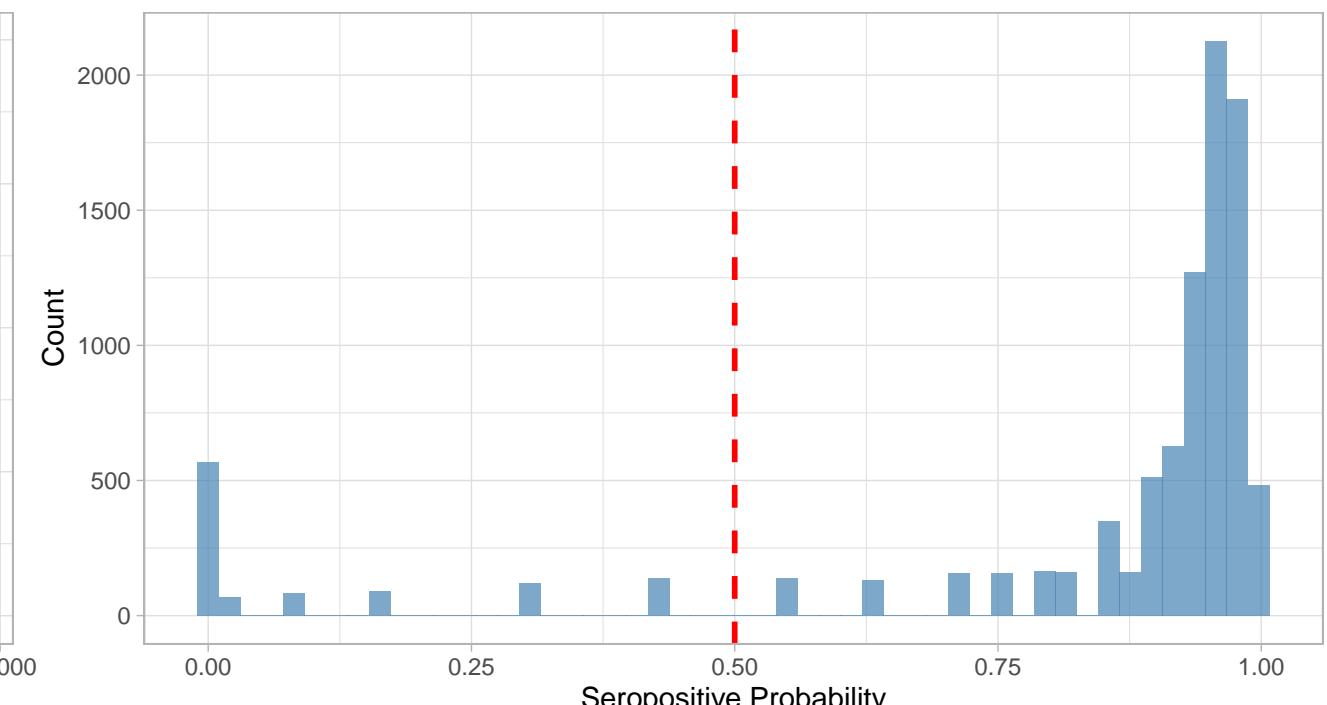
IgG Level vs Seropositive Probability: toxo_p22

Red line = hard threshold, Blue line = 50% probability



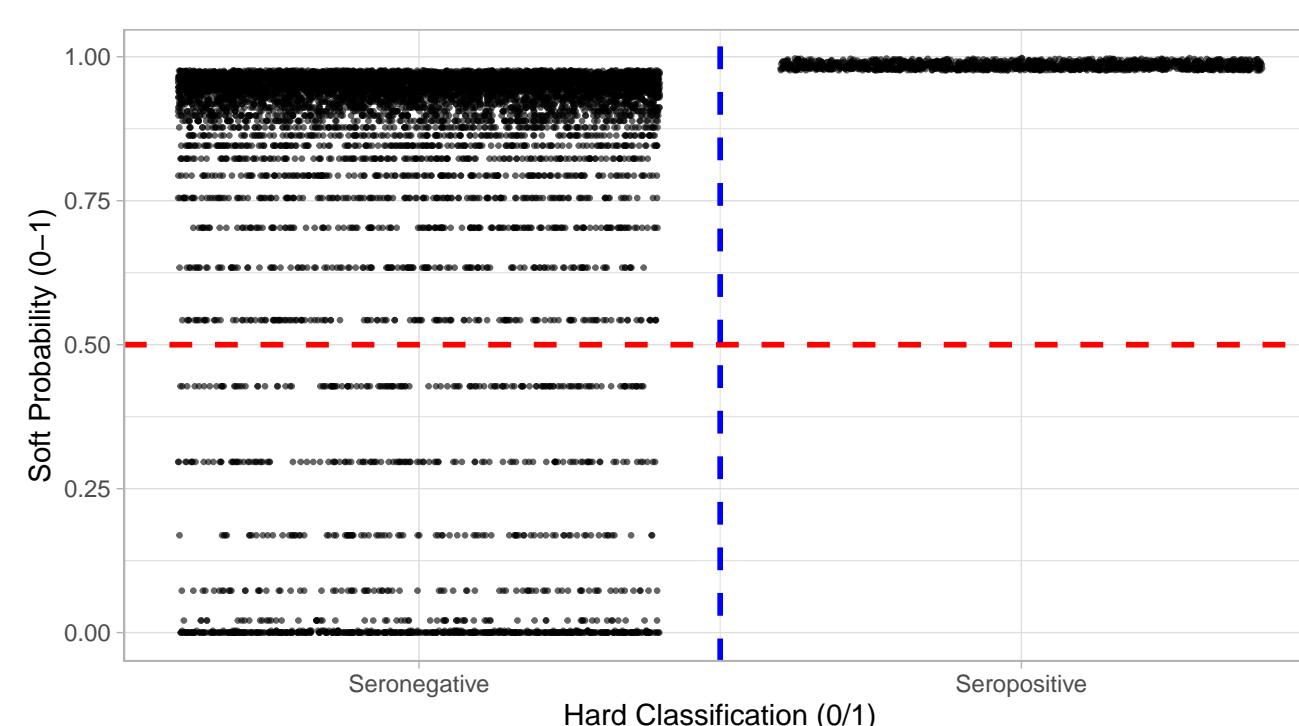
Distribution of Seropositive Probabilities: toxo_p22

Red line = 50% threshold



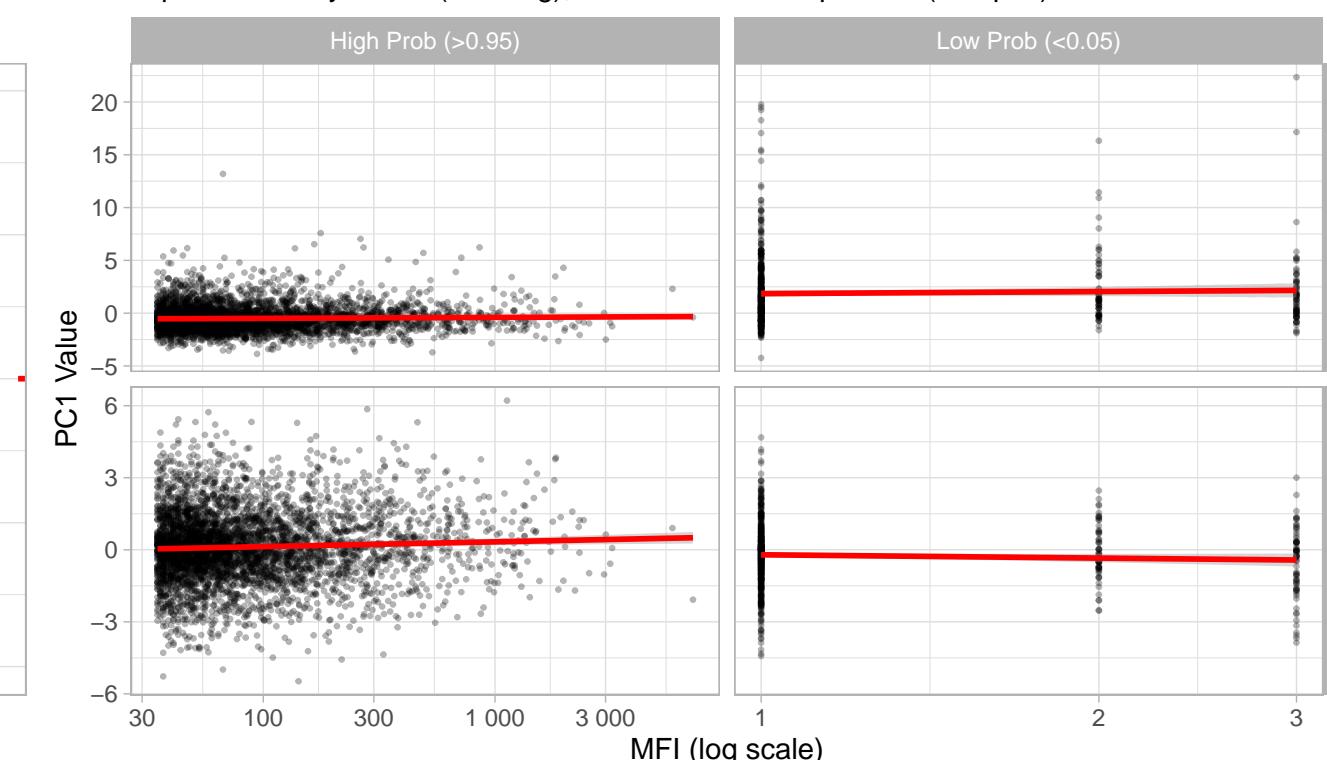
Hard vs Soft Classification: toxo_p22

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: toxo_p22

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

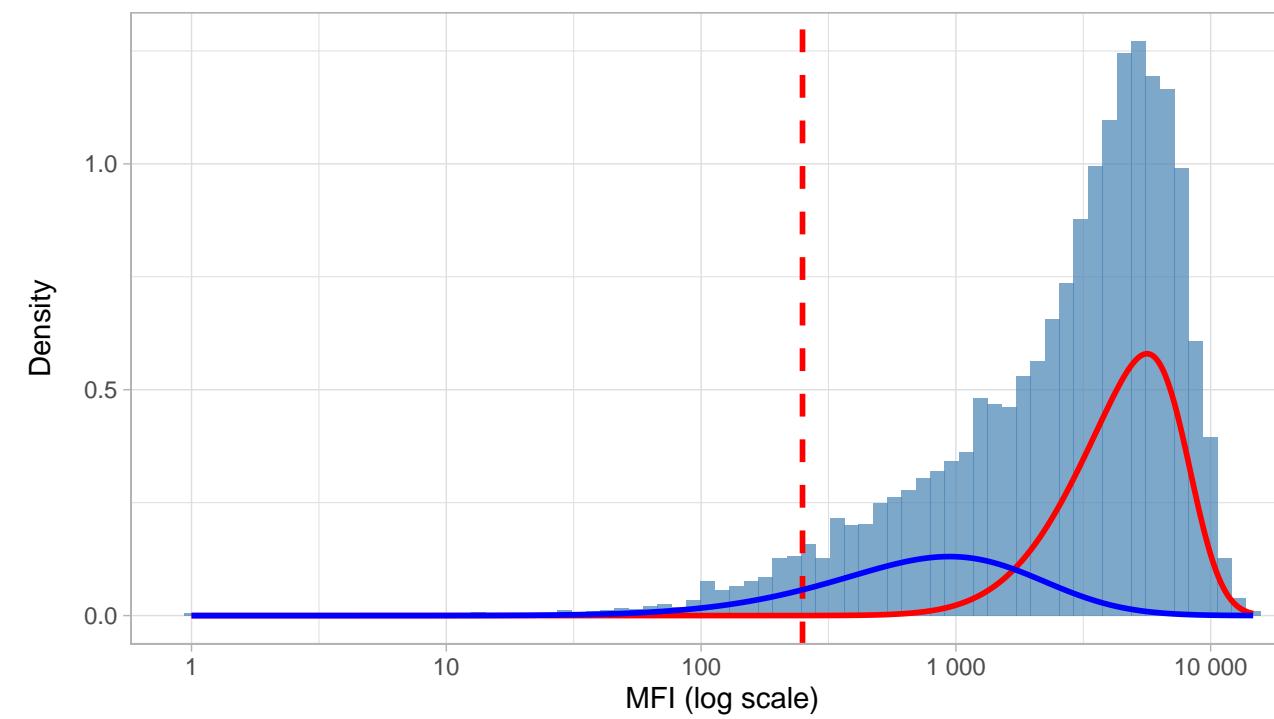


Diagnostics: bkv_vp1

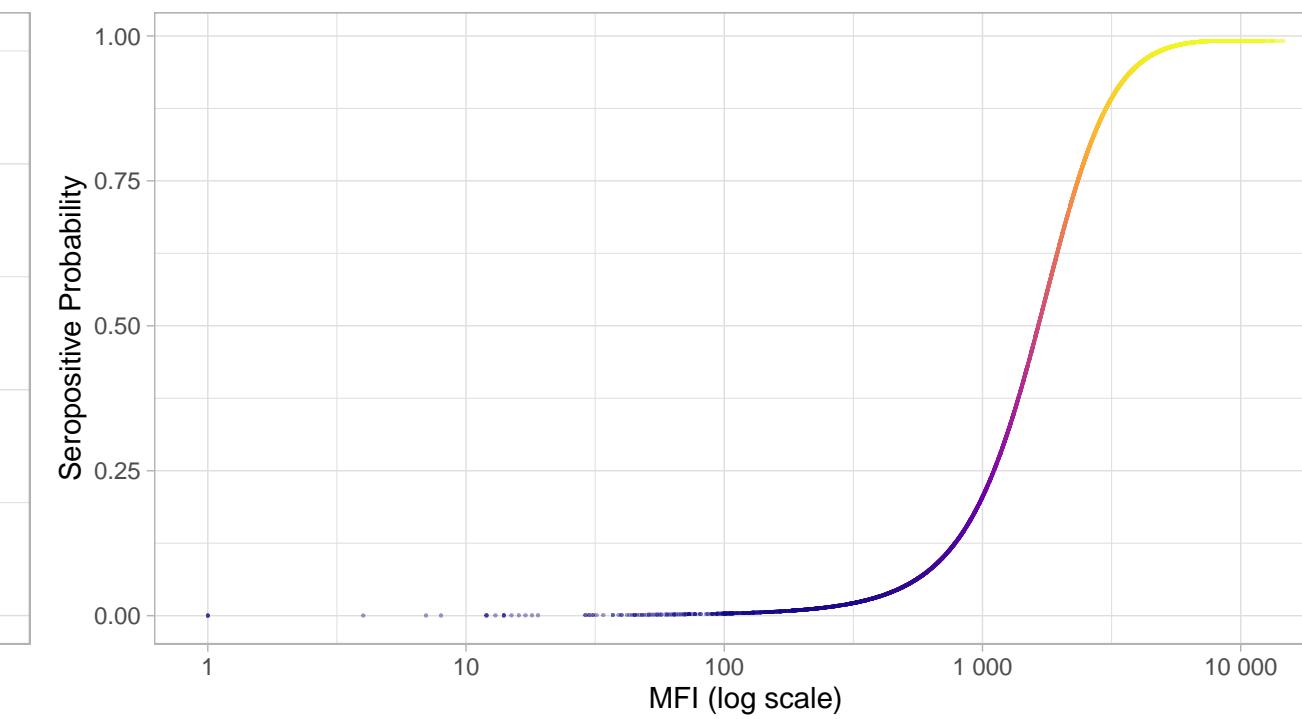
N=9424 | >0.95=4087 | <0.05=953 | Ambig=4384

Original MFI Distribution: bkv_vp1

Hard cutoff threshold = 250

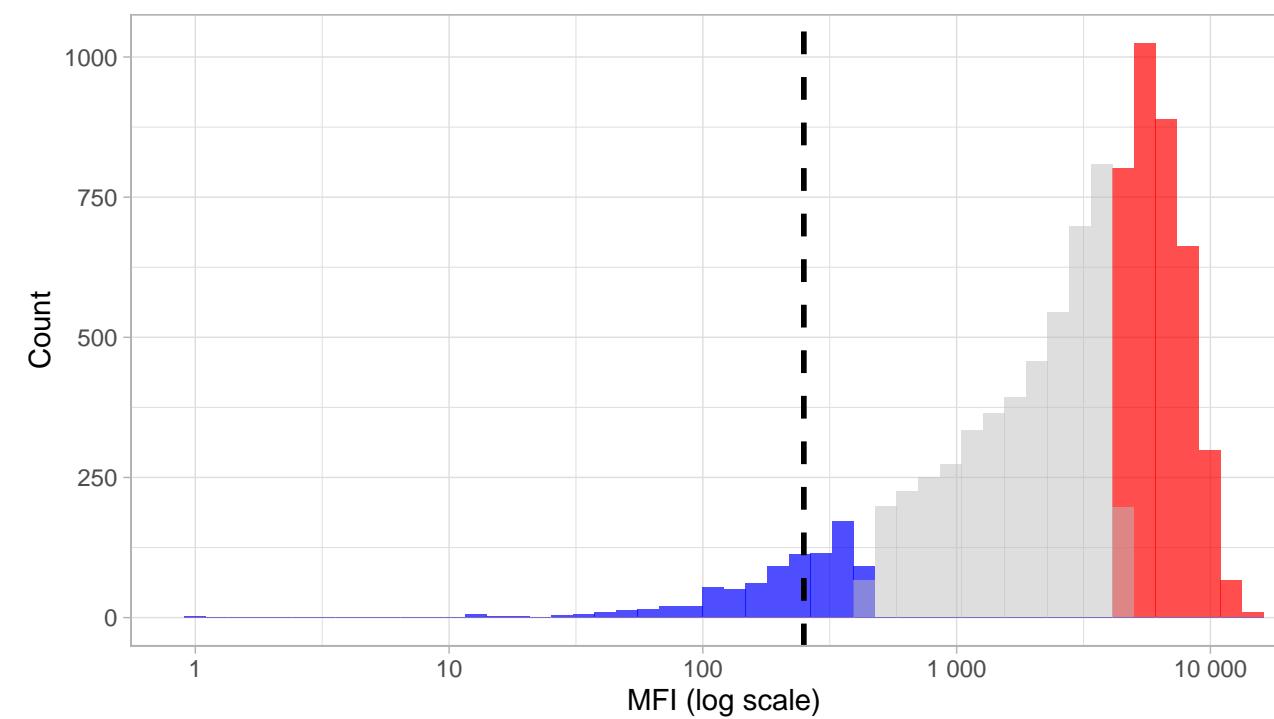


IgG vs Seropositive Probability: bkv_vp1



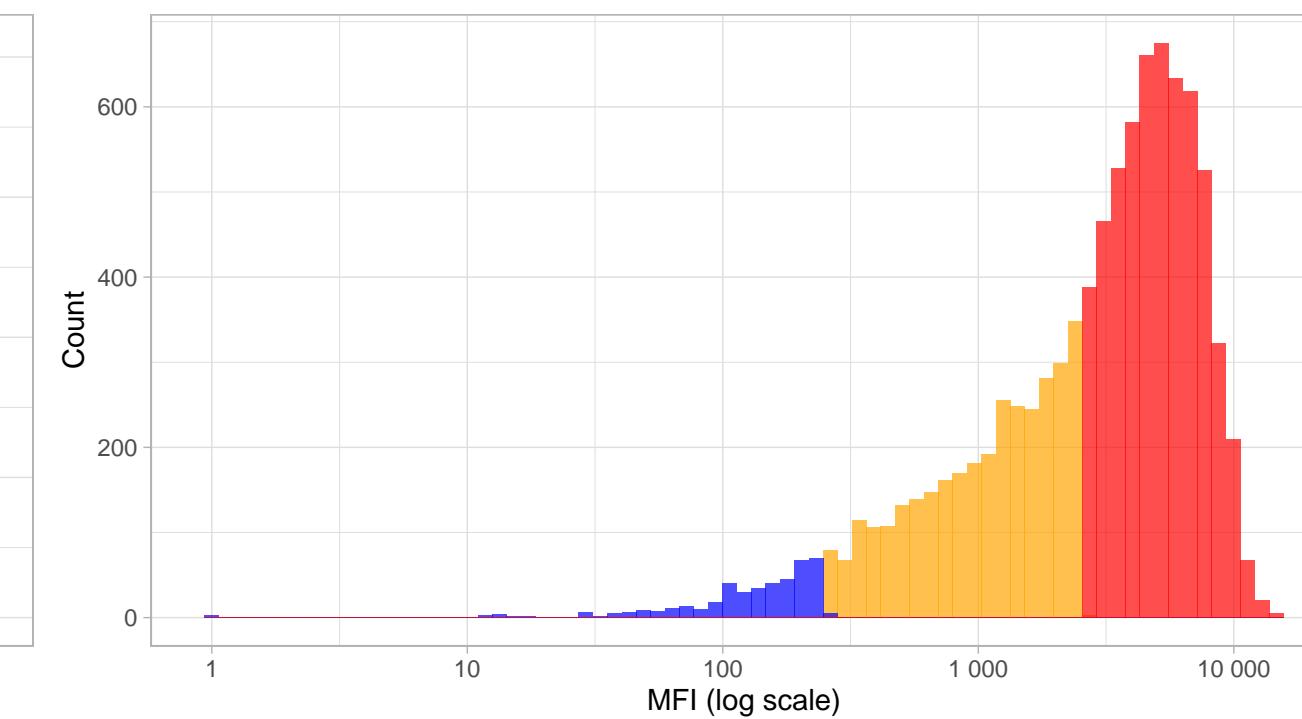
High-Confidence Seropositive Distribution: bkv_vp1

Prob threshold = 0.96



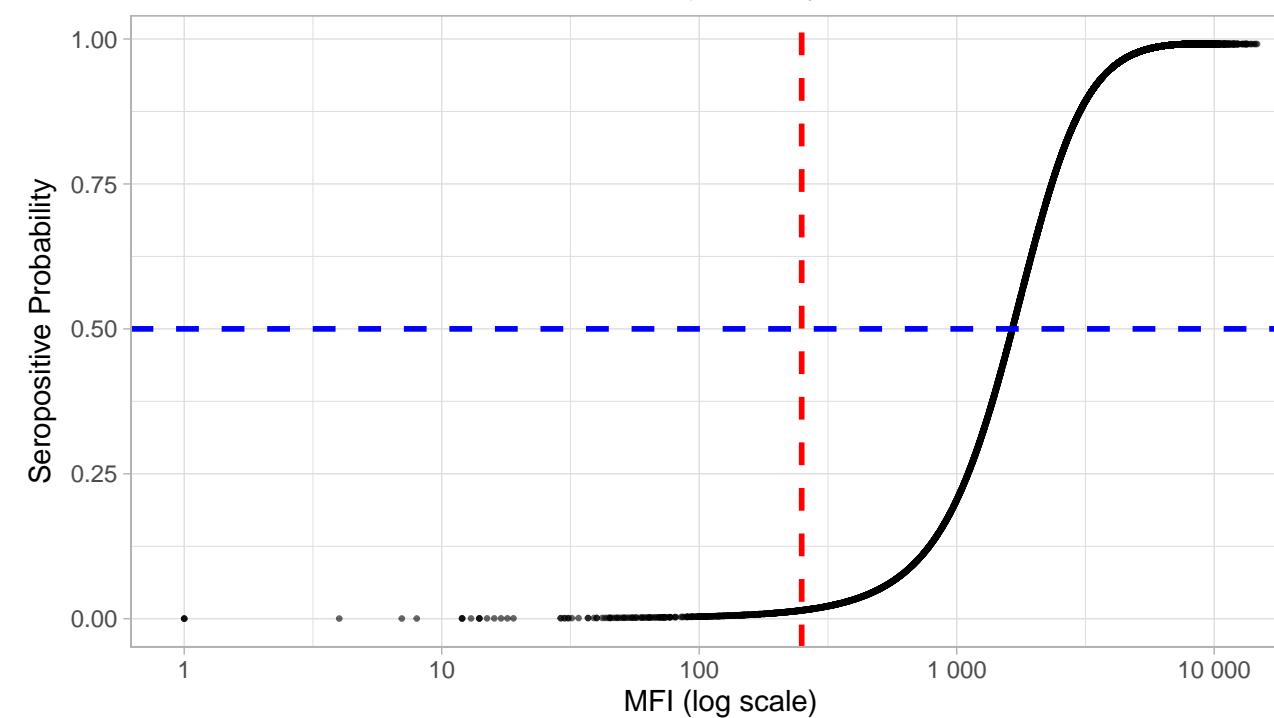
Phenotype Distribution by Classification: bkv_vp1

Comparing hard vs soft classifications



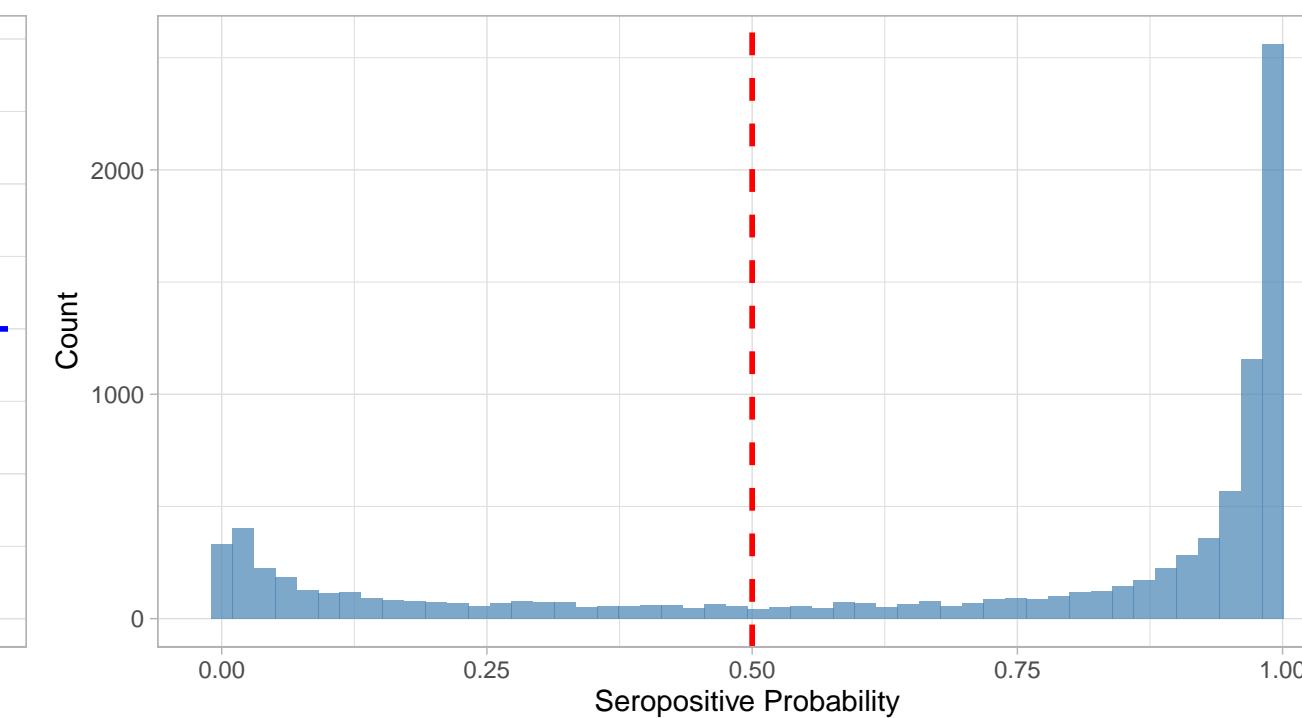
IgG Level vs Seropositive Probability: bkv_vp1

Red line = hard threshold, Blue line = 50% probability



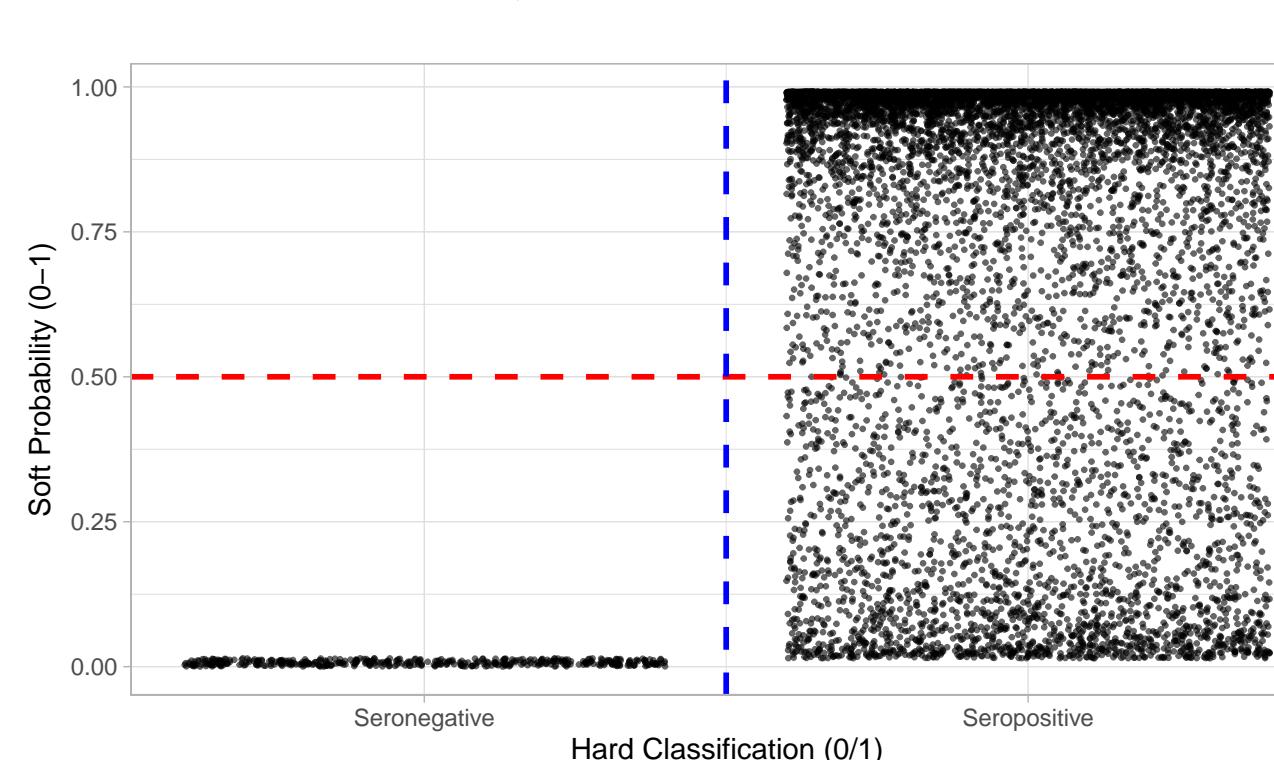
Distribution of Seropositive Probabilities: bkv_vp1

Red line = 50% threshold



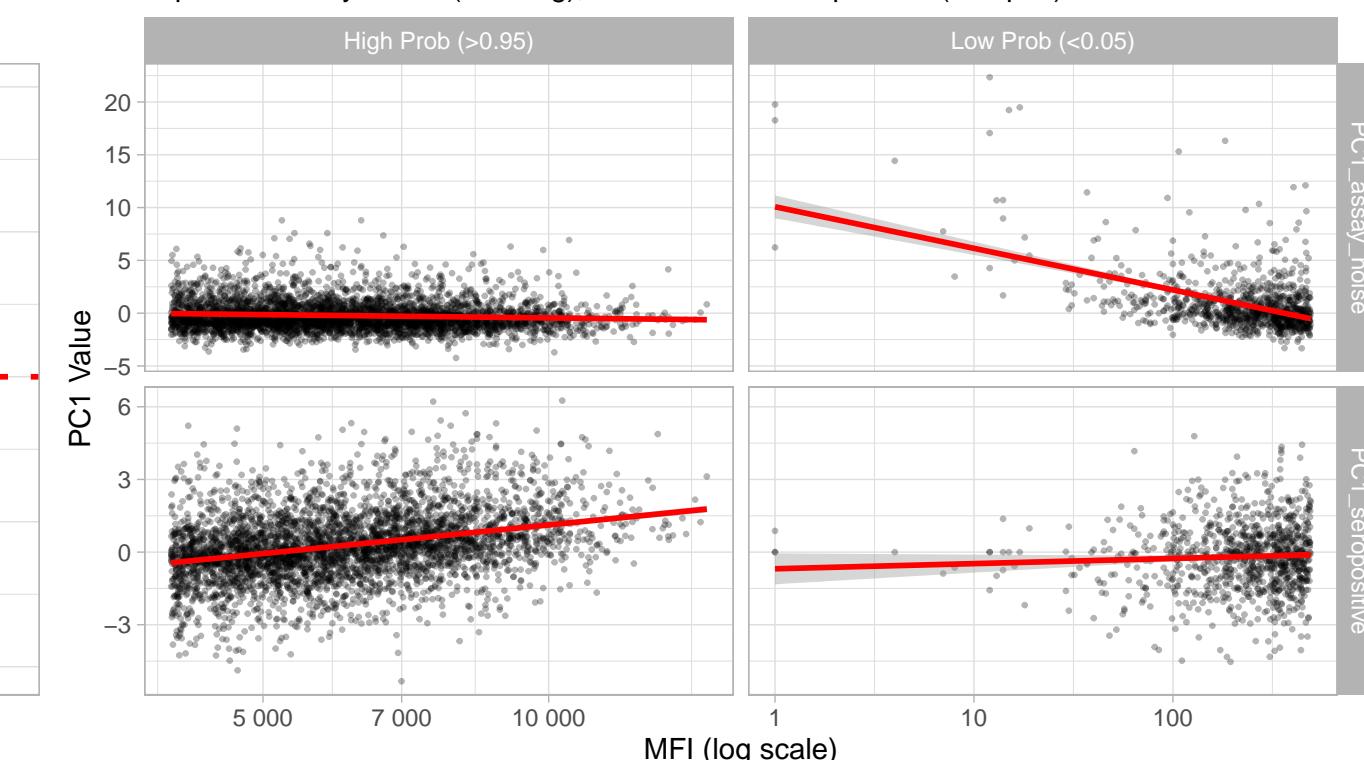
Hard vs Soft Classification: bkv_vp1

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: bkv_vp1

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

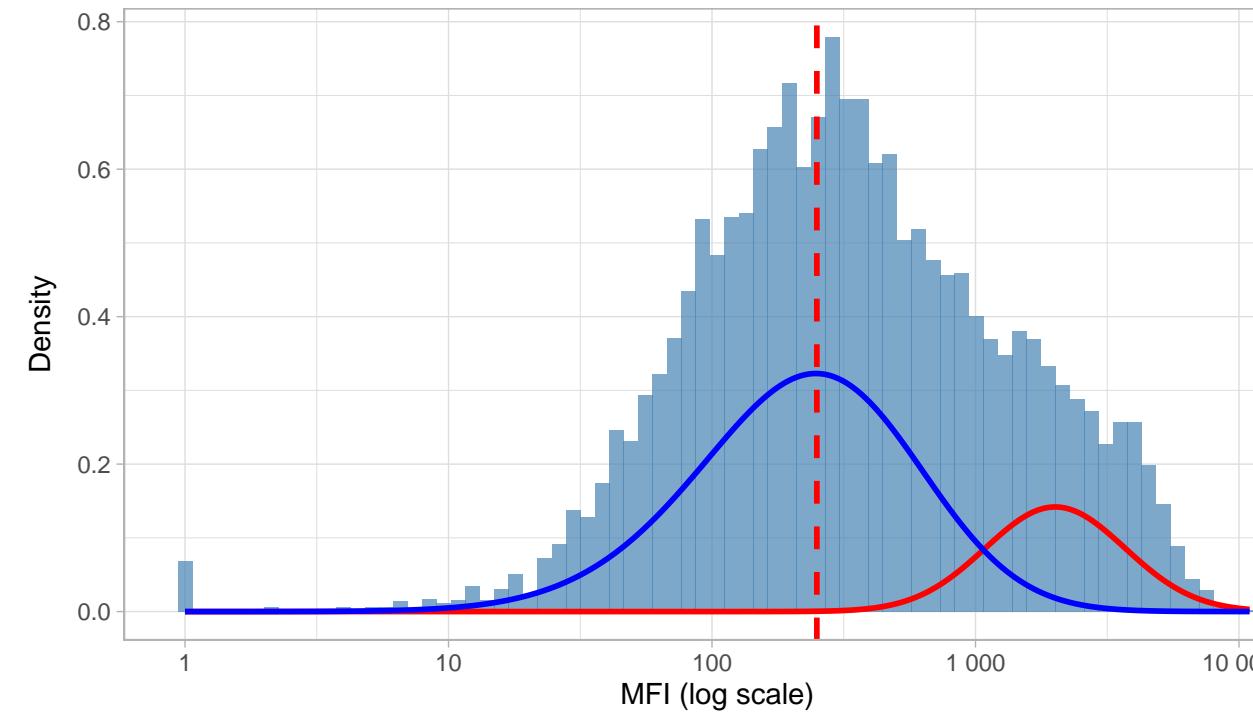


Diagnostics: jcv_vp1

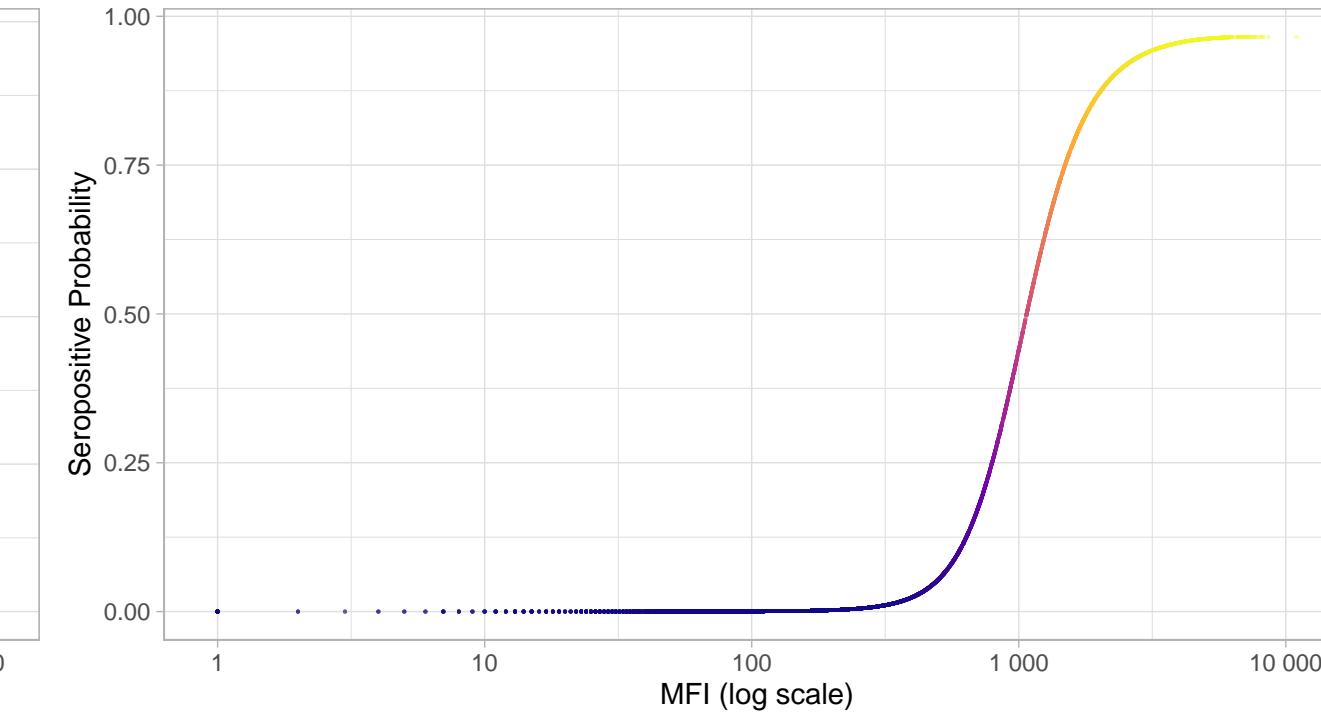
N=9424 | >0.95=461 | <0.05=5870 | Ambig=3093

Original MFI Distribution: jcv_vp1

Hard cutoff threshold = 250

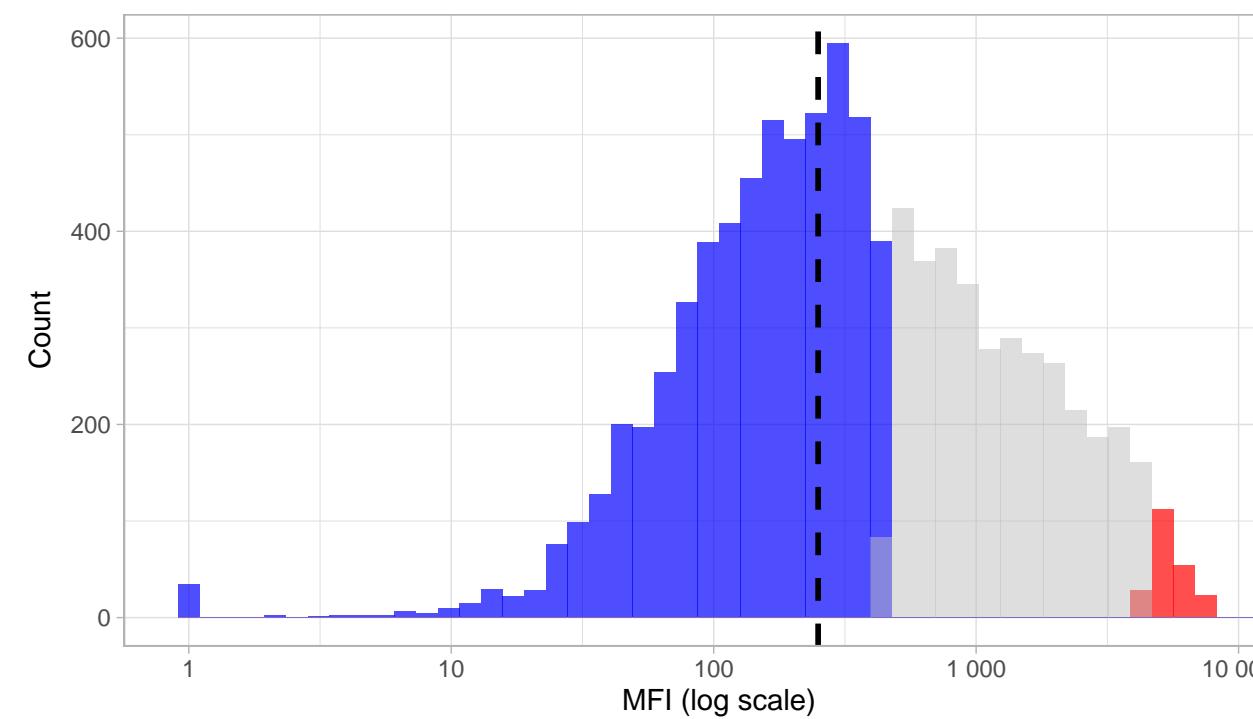


IgG vs Seropositive Probability: jcv_vp1



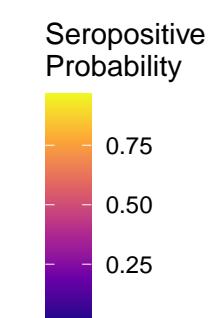
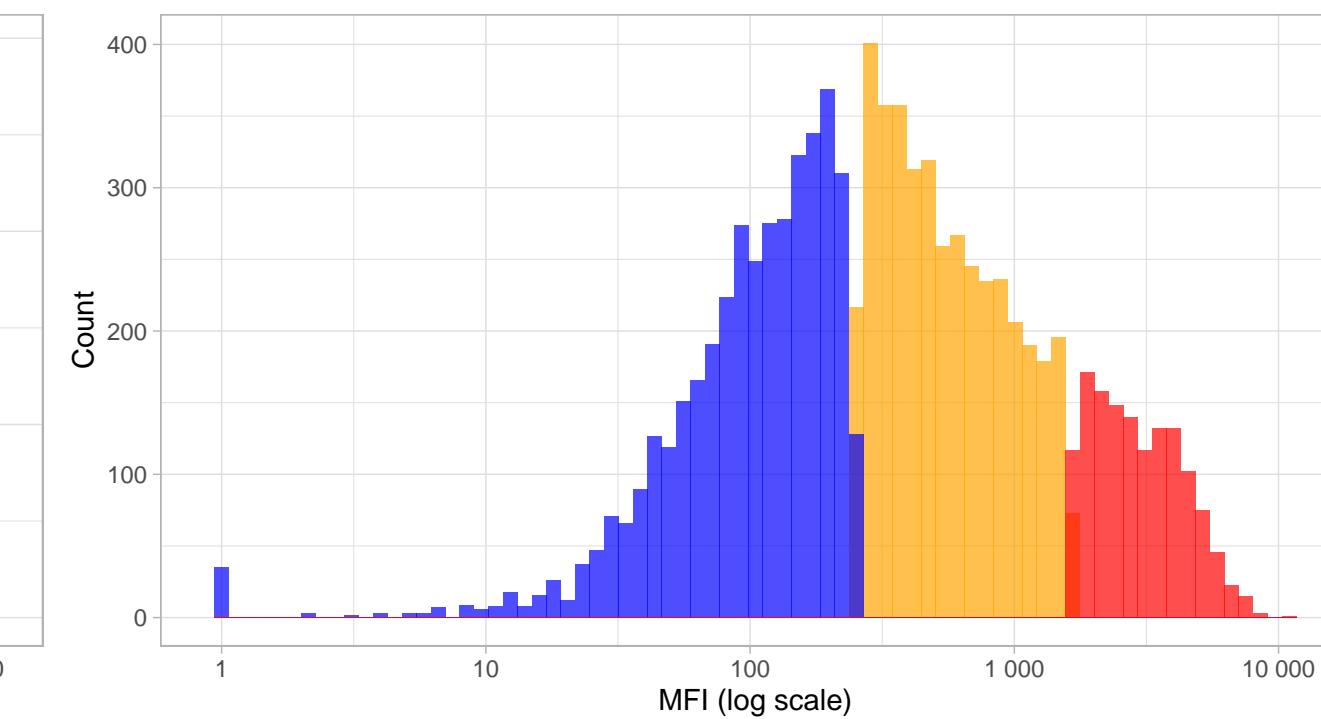
High-Confidence Seropositive Distribution: jcv_vp1

Prob threshold = 0.96



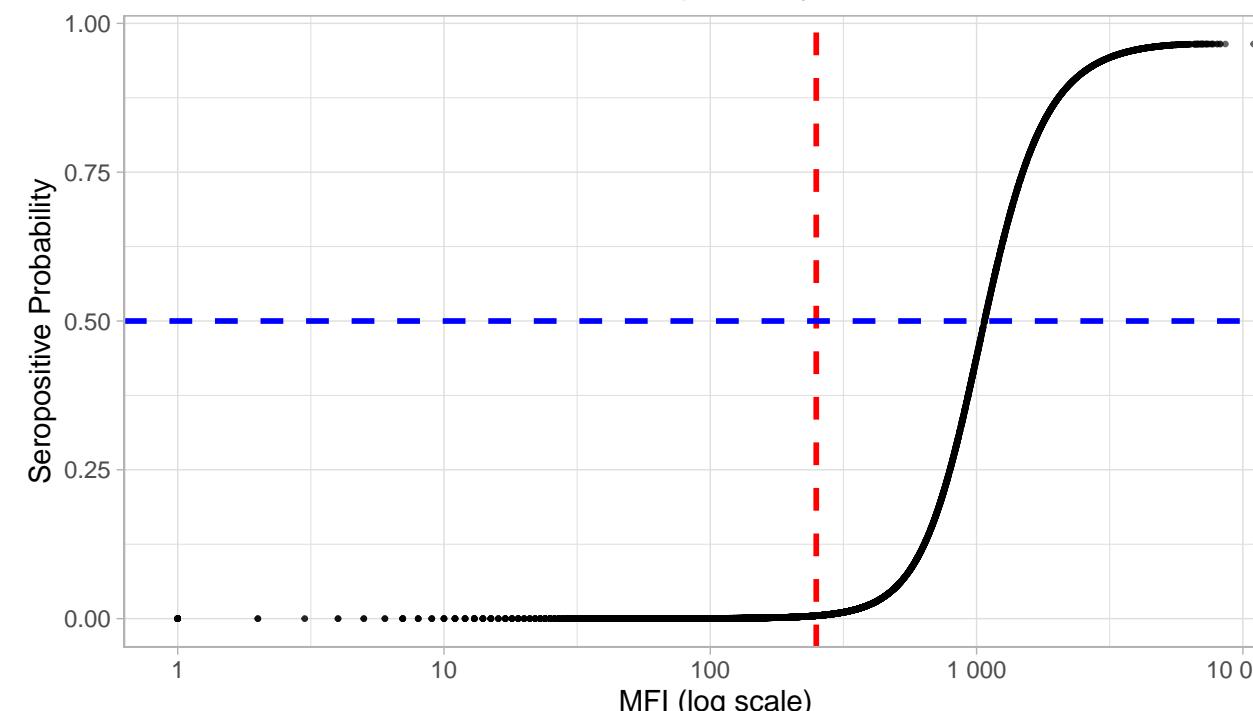
Phenotype Distribution by Classification: jcv_vp1

Comparing hard vs soft classifications



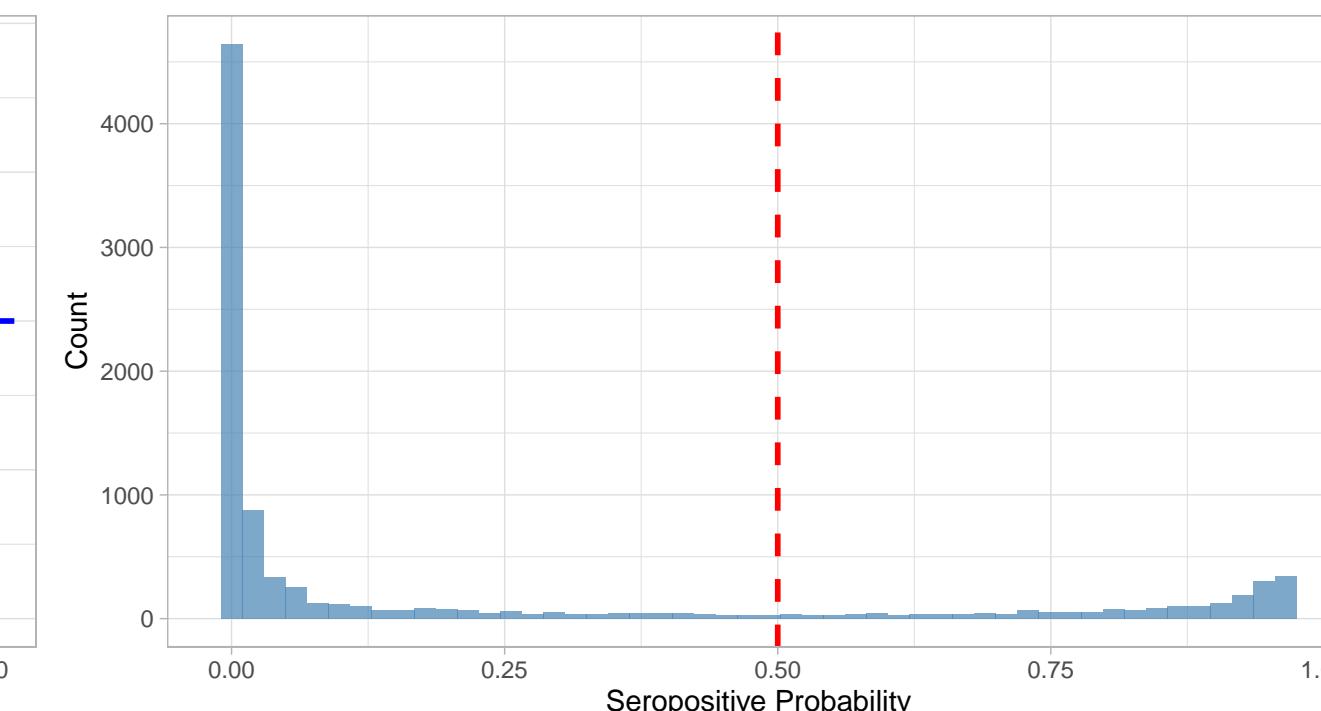
IgG Level vs Seropositive Probability: jcv_vp1

Red line = hard threshold, Blue line = 50% probability



Distribution of Seropositive Probabilities: jcv_vp1

Red line = 50% threshold



Classification

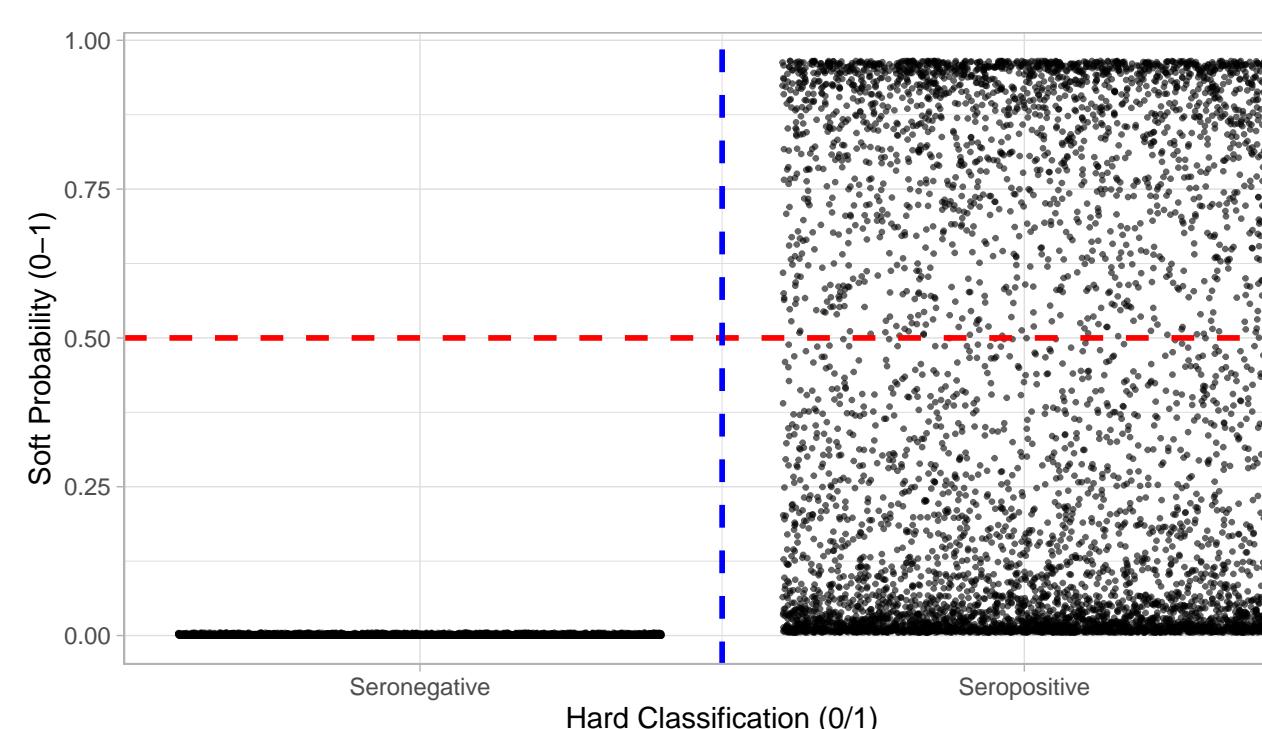
Ambiguous

High-conf Seronegative

High-conf Seropositive

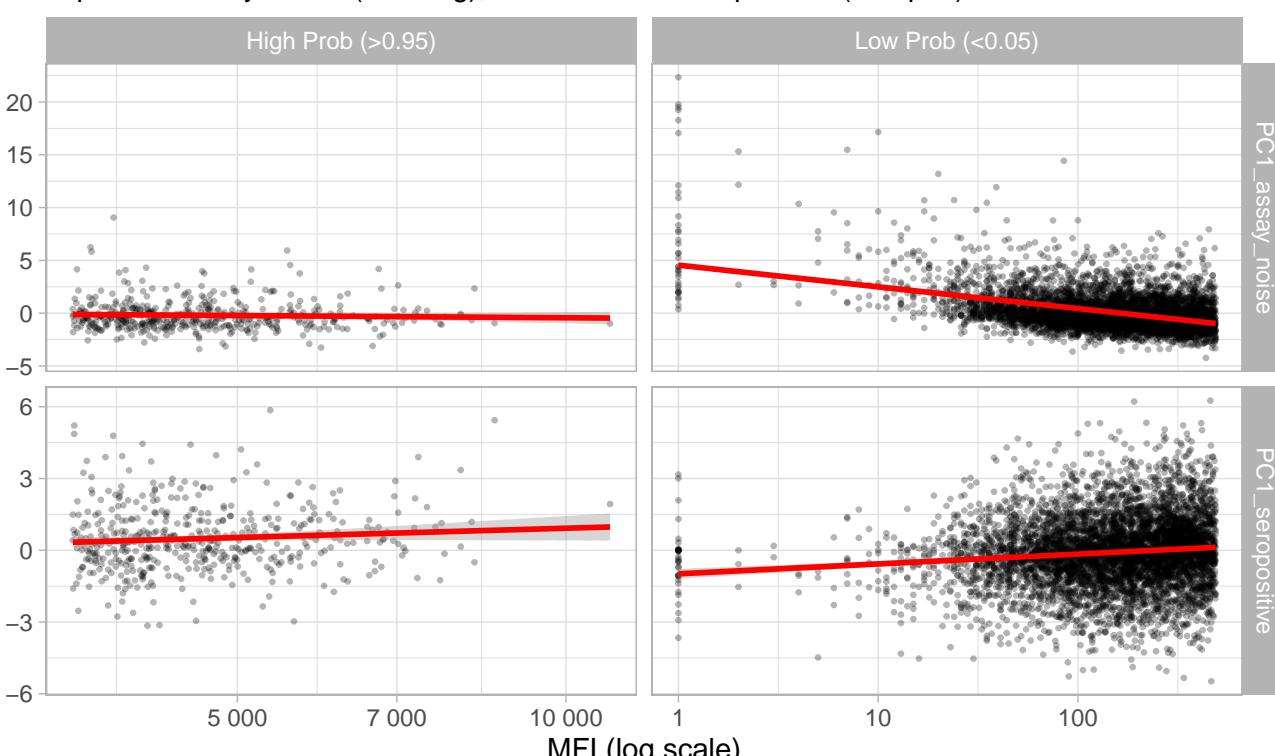
Hard vs Soft Classification: jcv_vp1

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: jcv_vp1

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)



Classification

Hard Positive, Soft Low

Hard+Soft Negative

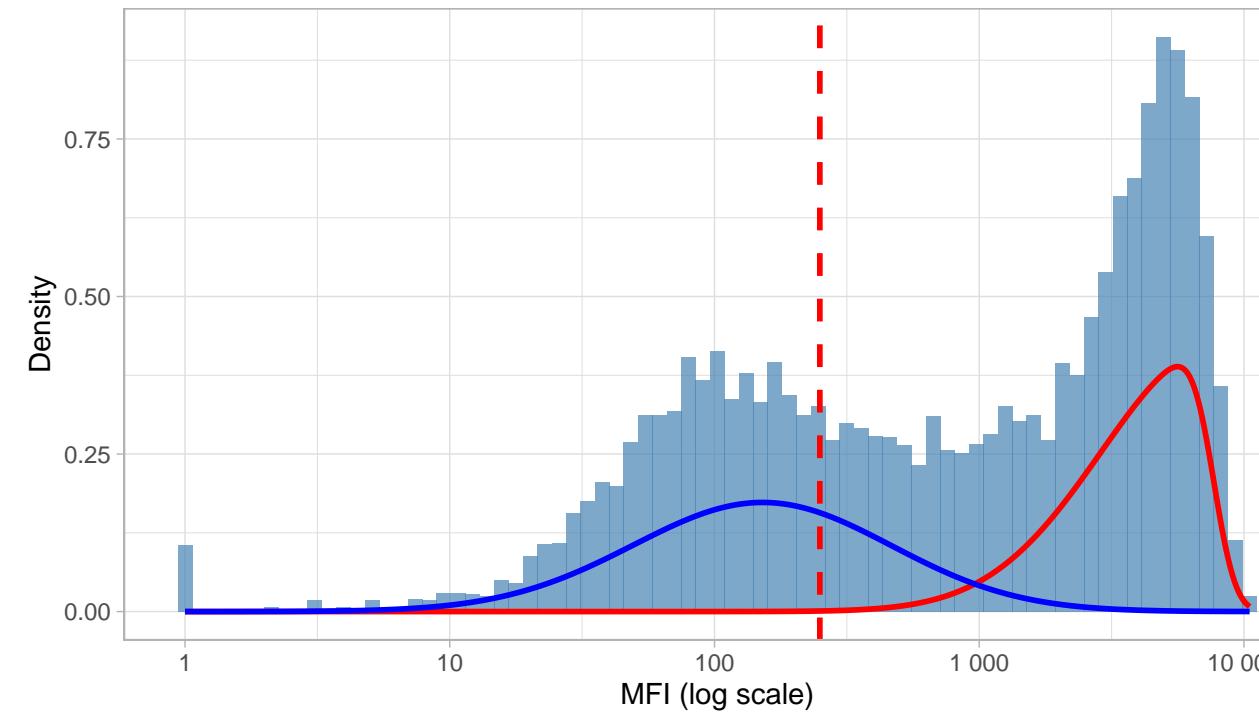
Hard+Soft Positive

Diagnostics: mcv_vp1

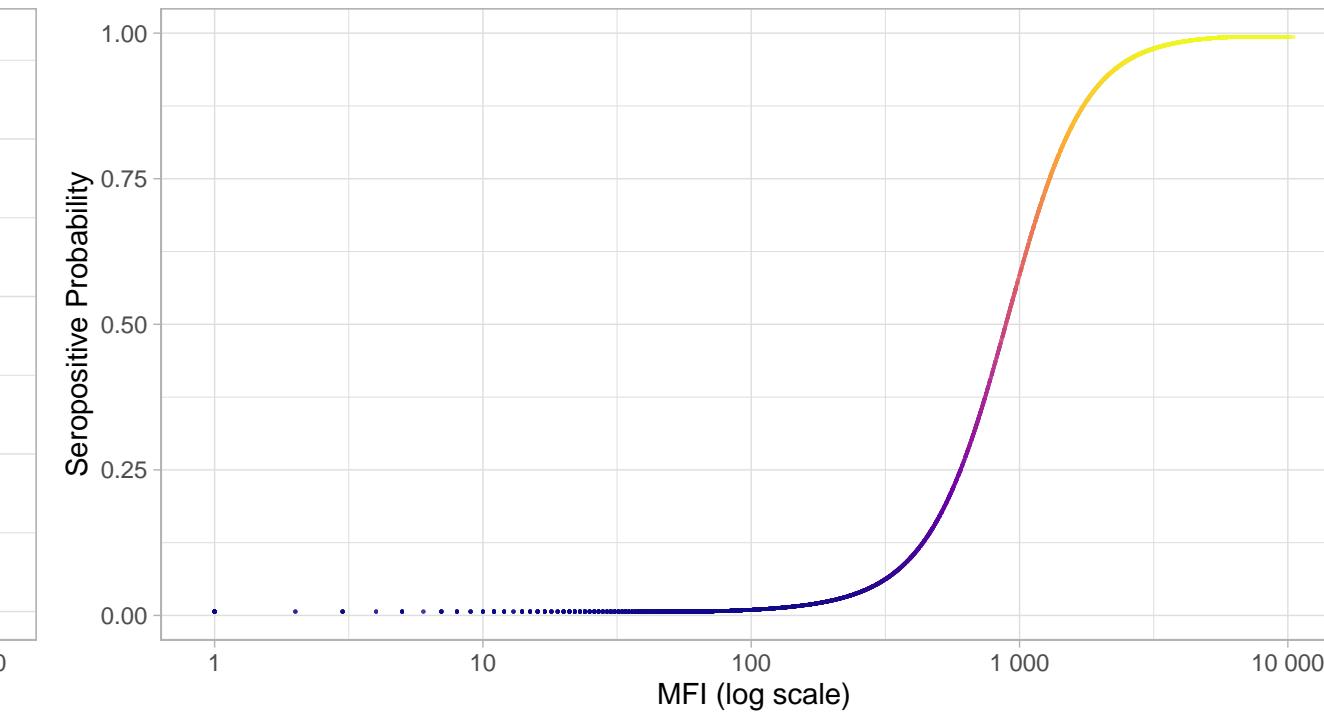
N=9424 | >0.95=3539 | <0.05=3311 | Ambig=2574

Original MFI Distribution: mcv_vp1

Hard cutoff threshold = 250

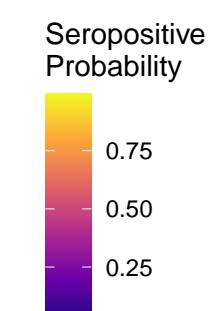
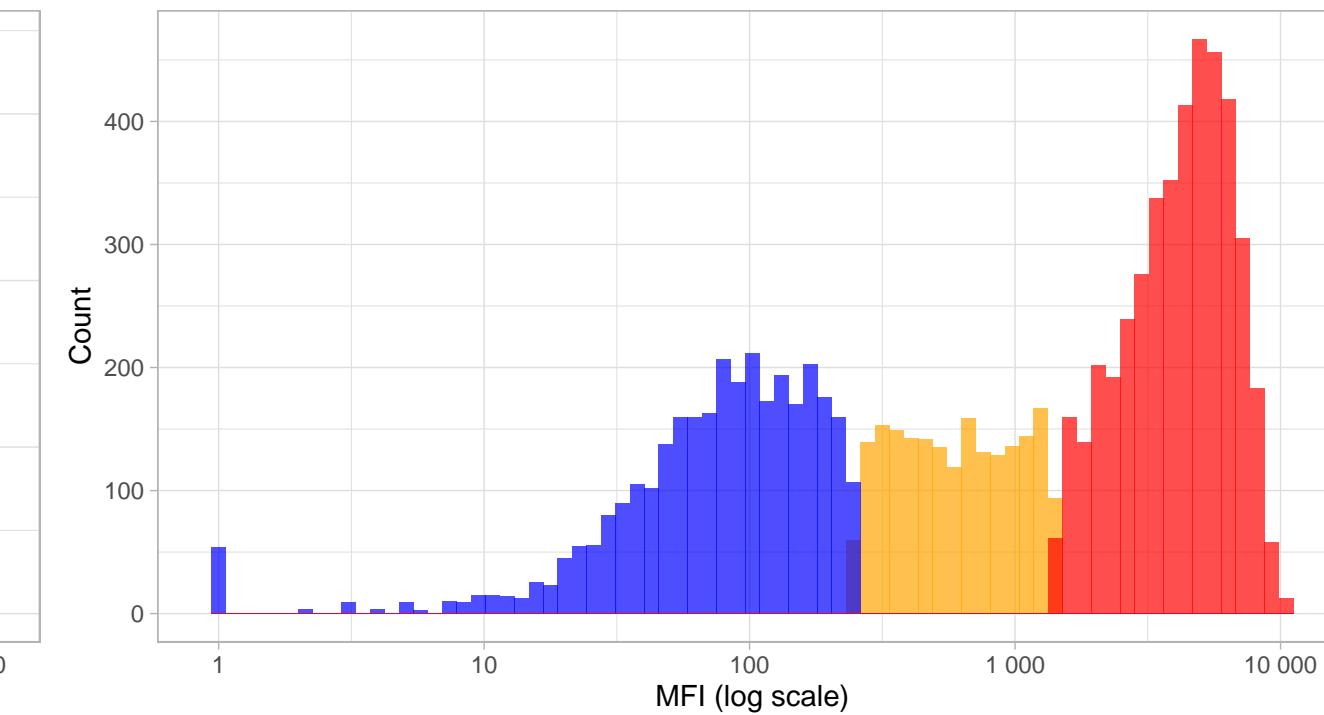


IgG vs Seropositive Probability: mcv_vp1



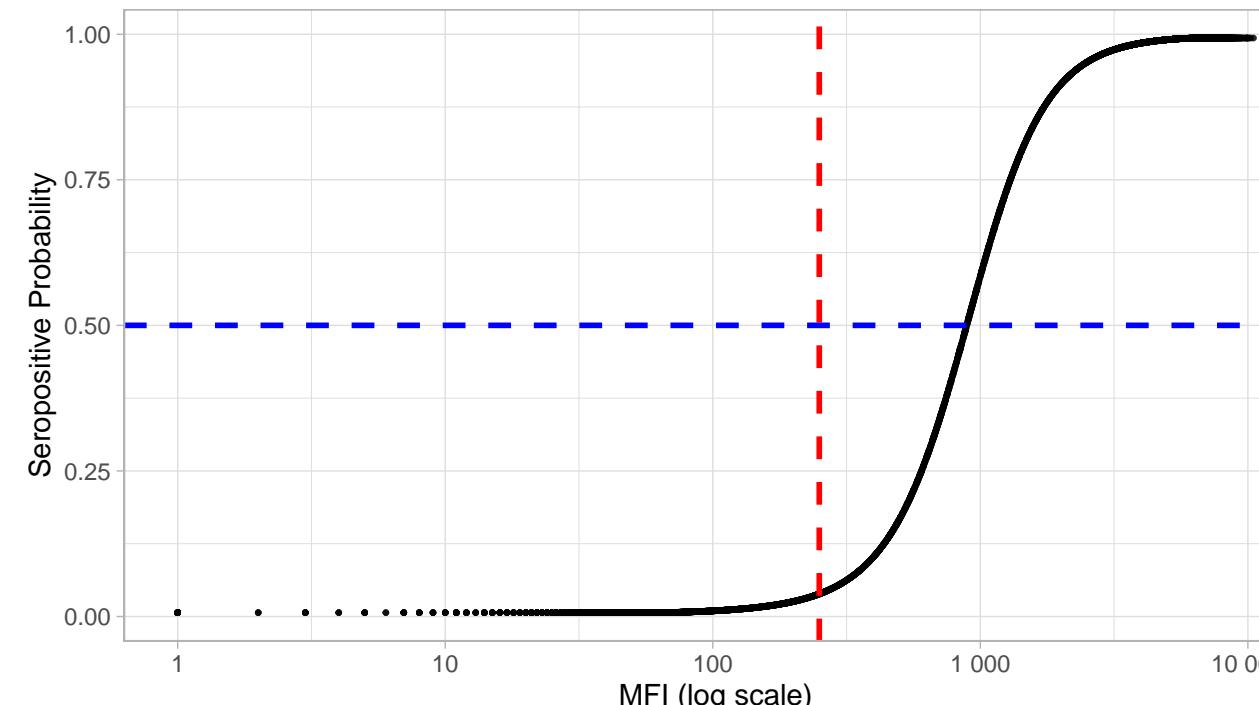
Phenotype Distribution by Classification: mcv_vp1

Comparing hard vs soft classifications



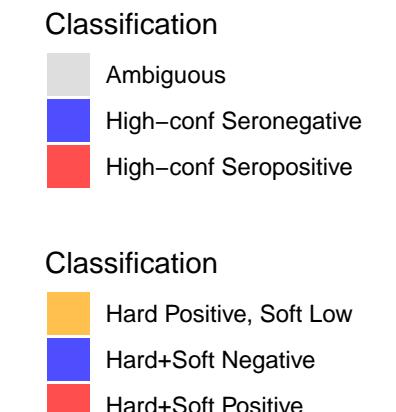
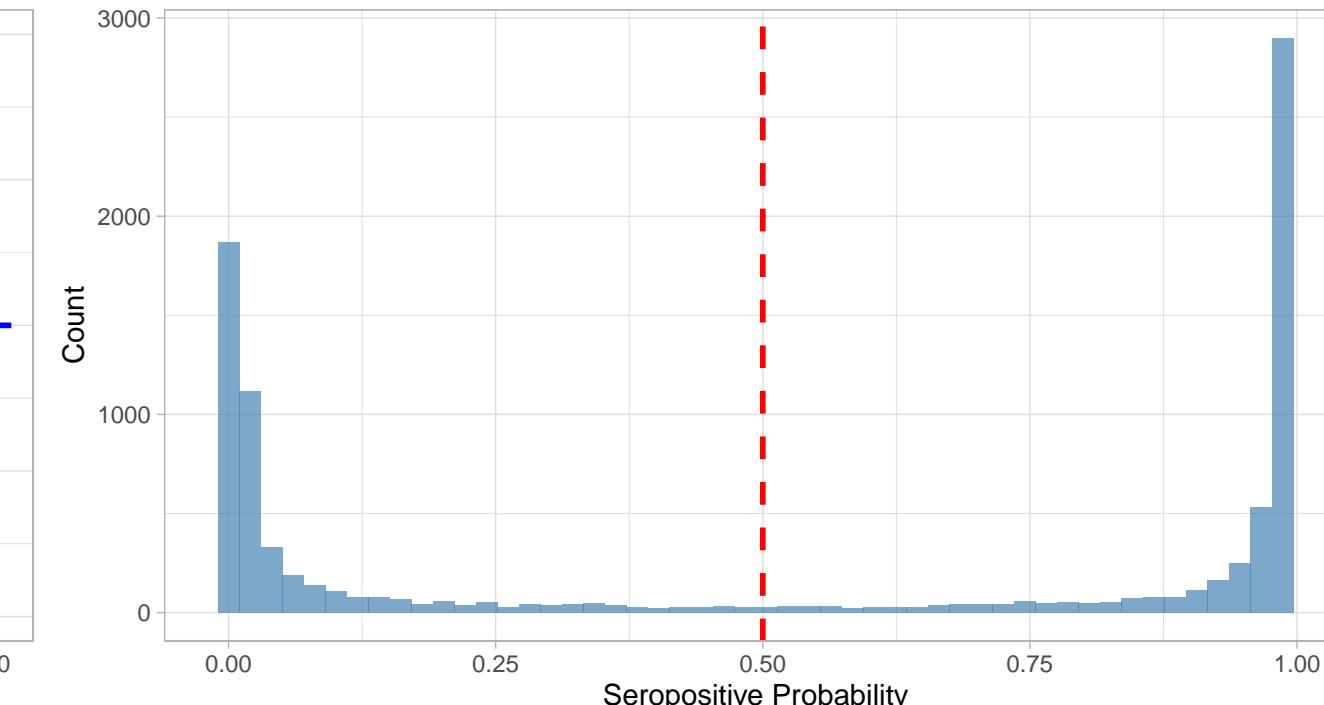
IgG Level vs Seropositive Probability: mcv_vp1

Red line = hard threshold, Blue line = 50% probability



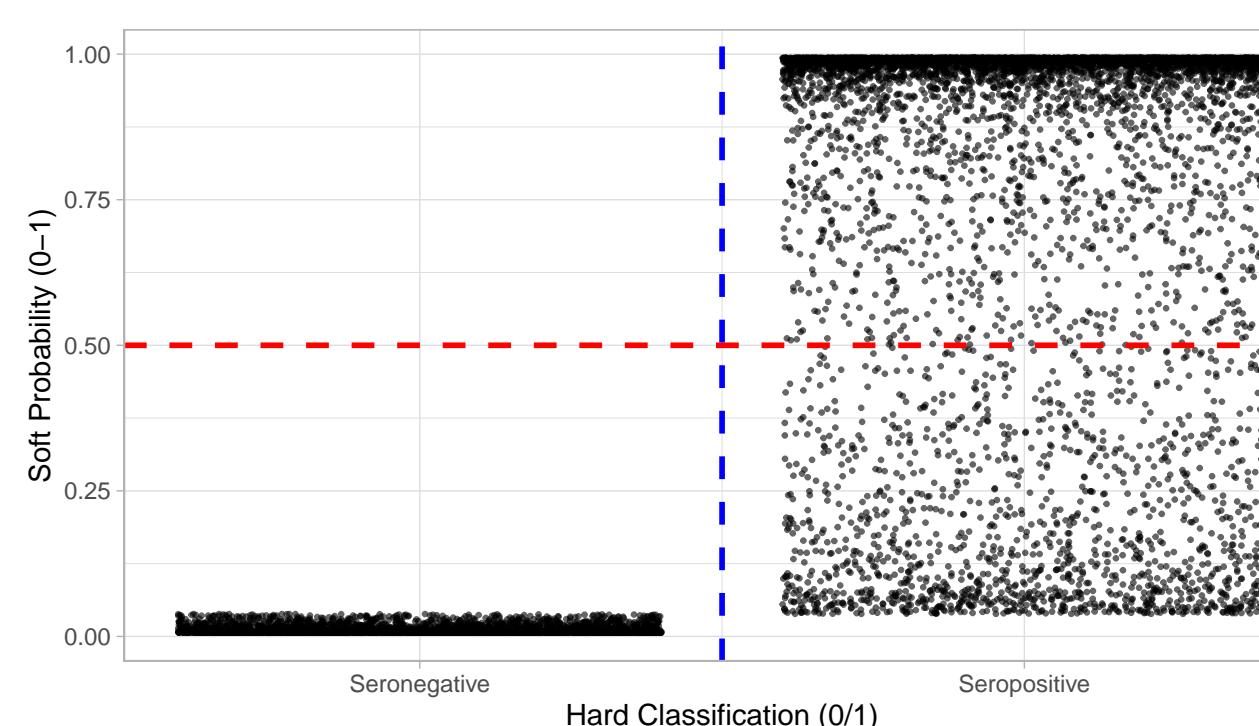
Distribution of Seropositive Probabilities: mcv_vp1

Red line = 50% threshold



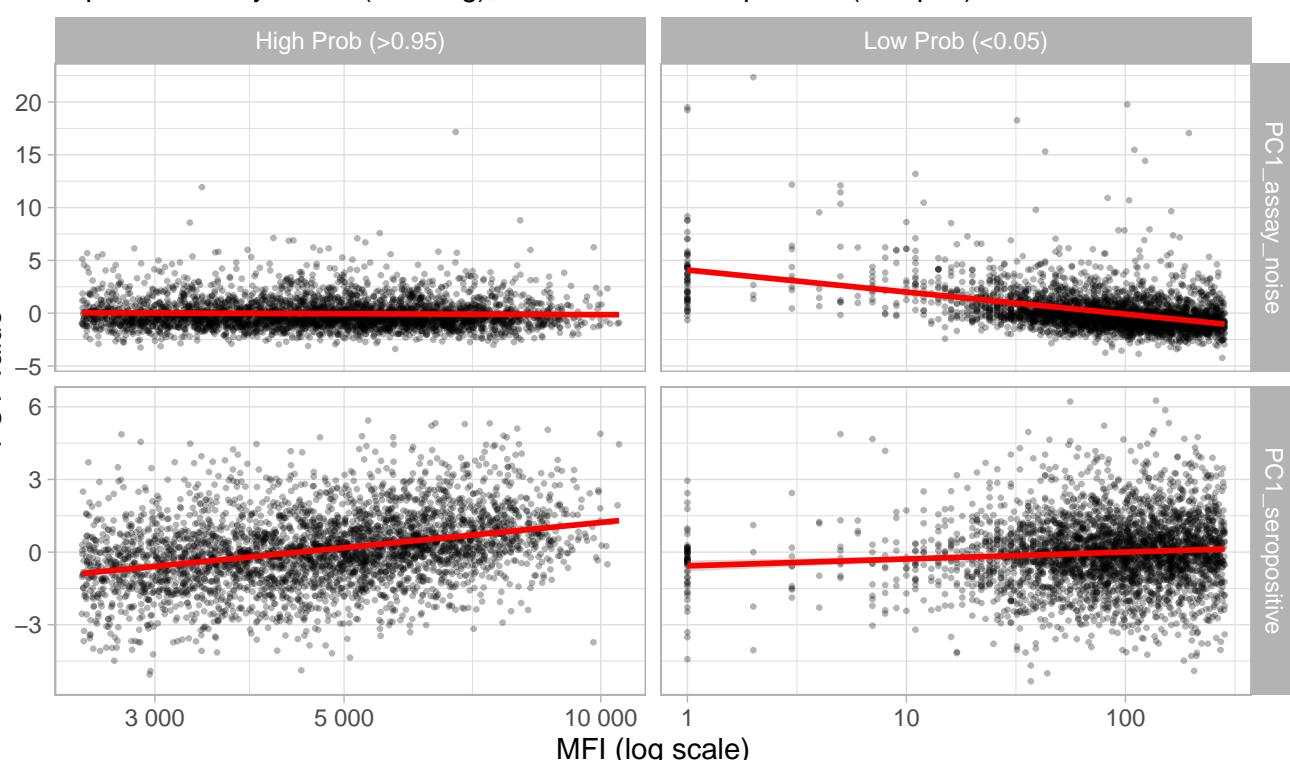
Hard vs Soft Classification: mcv_vp1

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: mcv_vp1

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

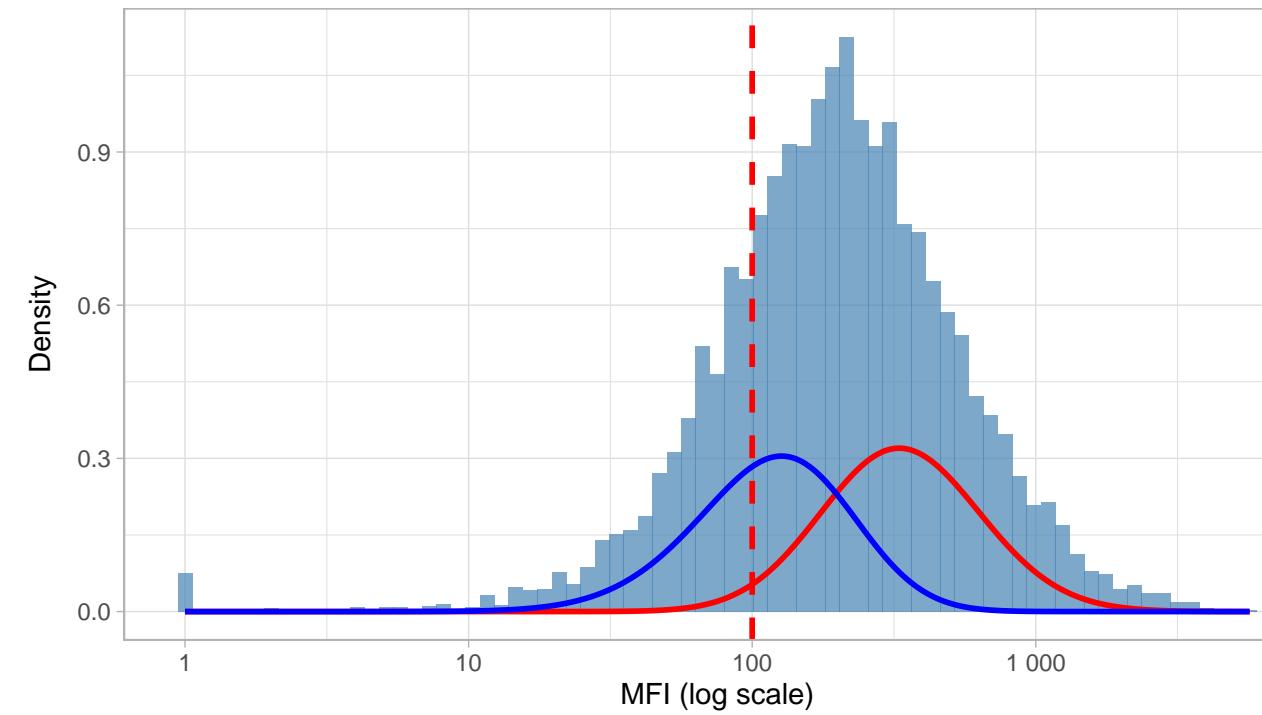


Diagnostics: hhv6_ie1a

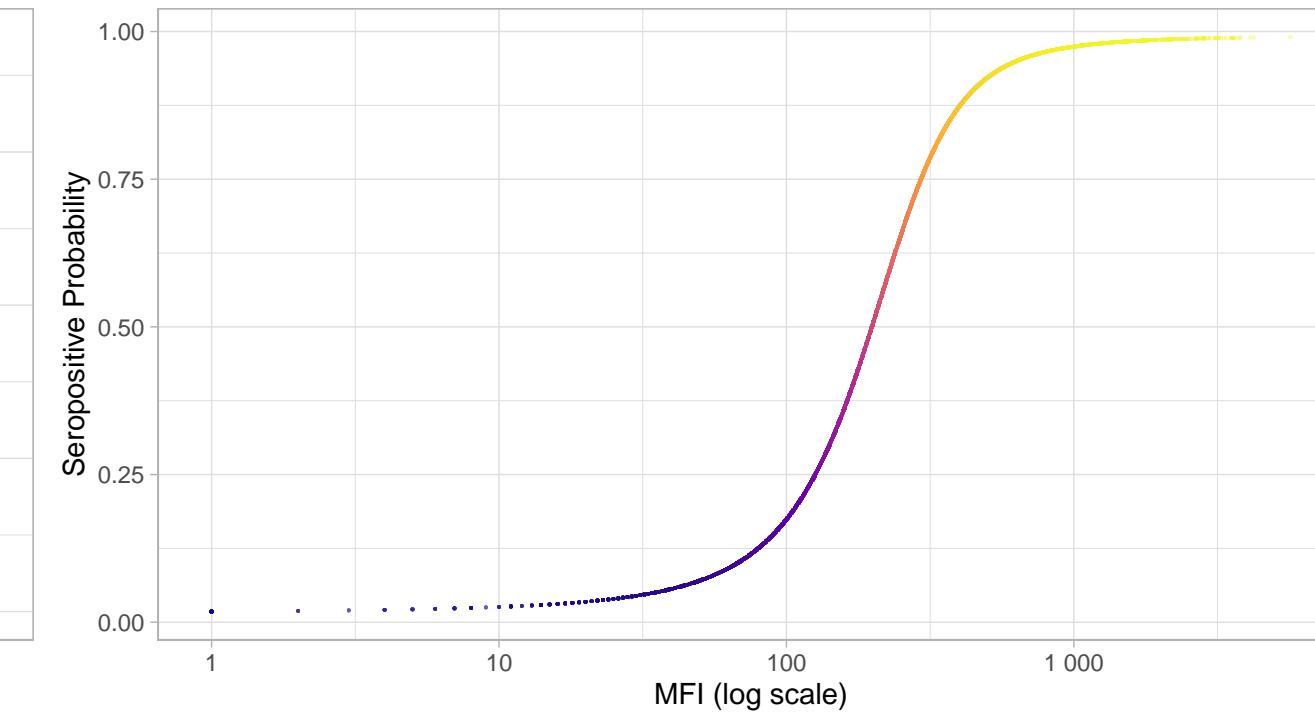
N=9424 | >0.95=1051 | <0.05=386 | Ambig=7987

Original MFI Distribution: hhv6_ie1a

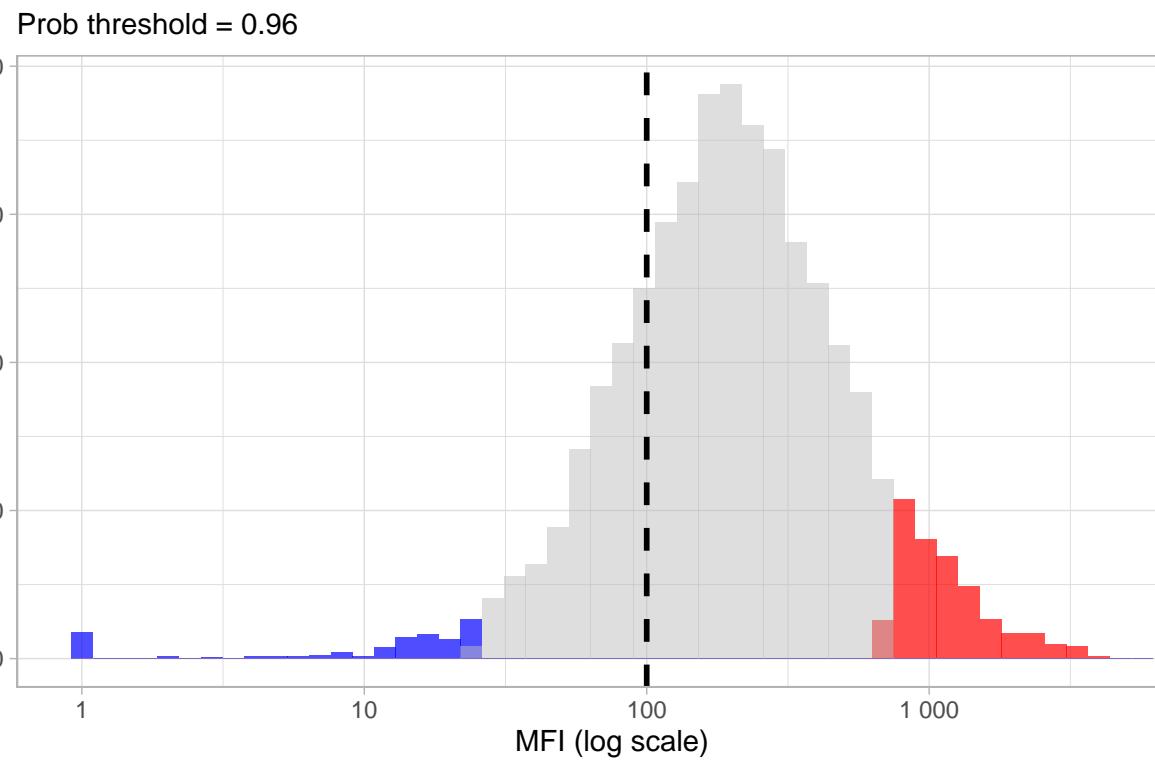
Hard cutoff threshold = 100



IgG vs Seropositive Probability: hhv6_ie1a

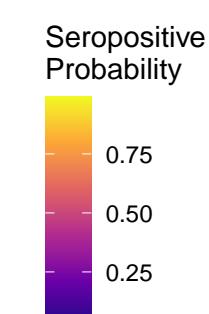
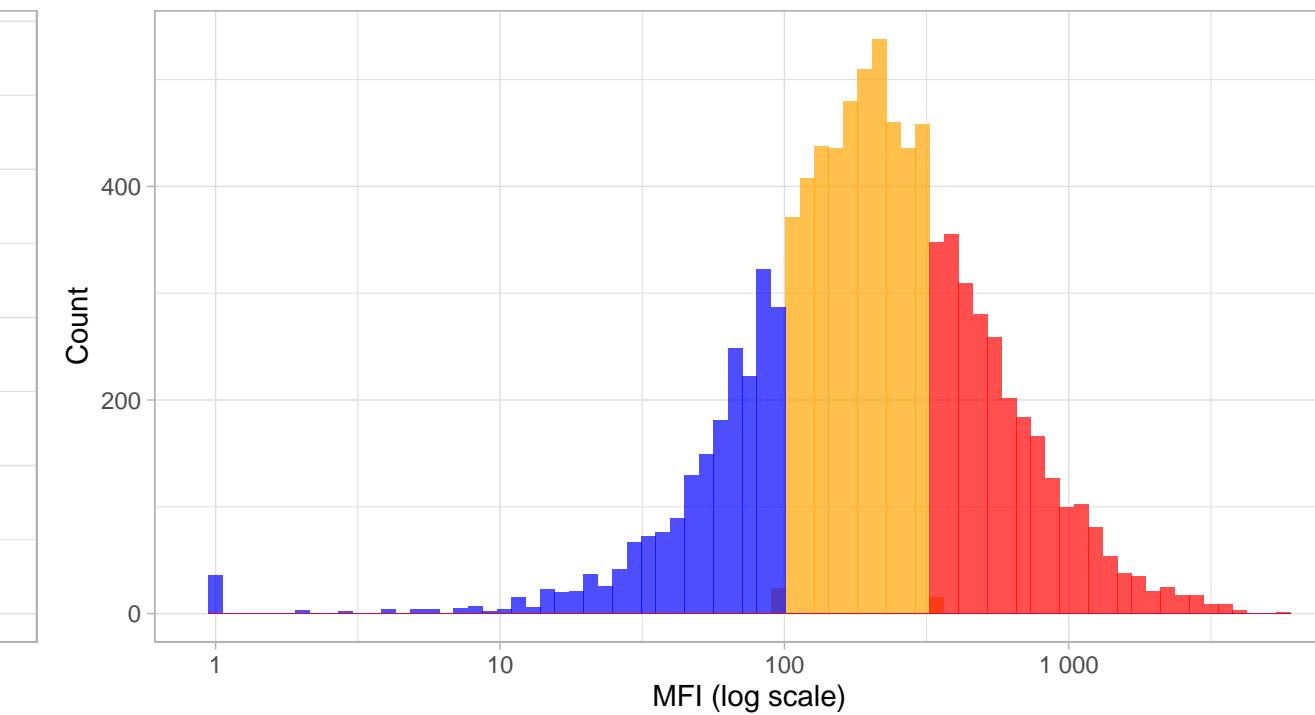


High-Confidence Seropositive Distribution: hhv6_ie1a



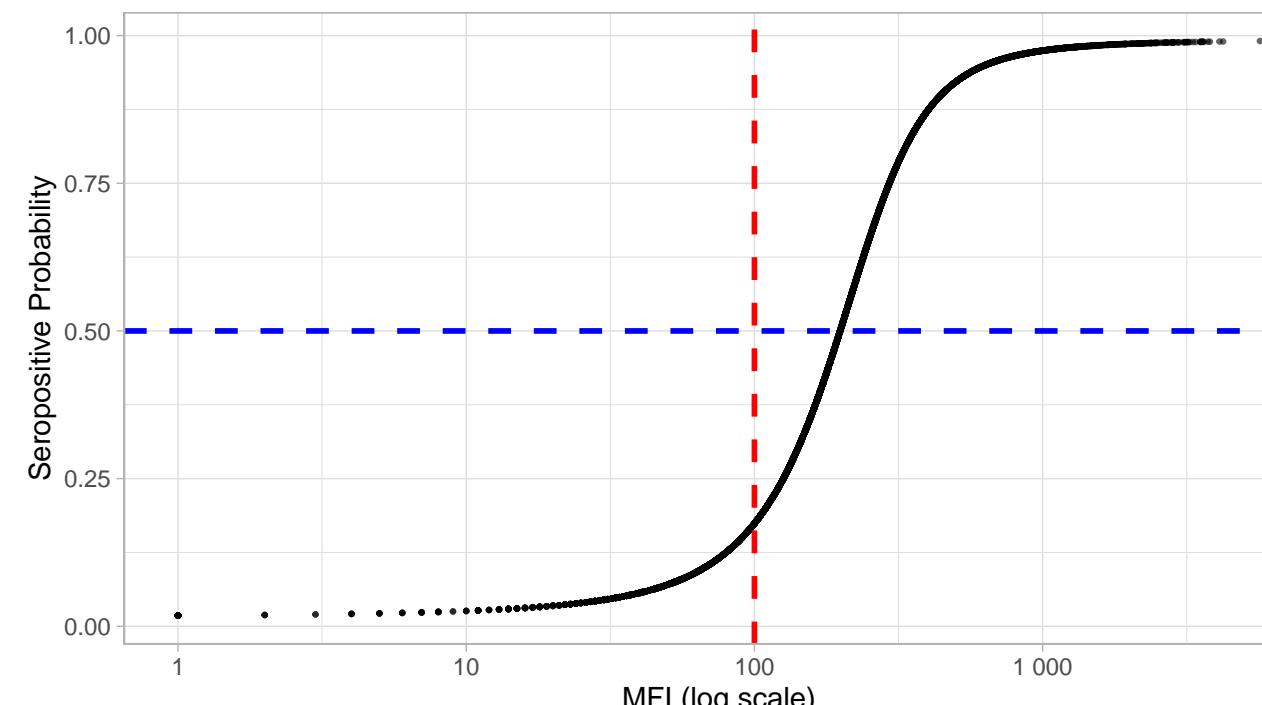
Phenotype Distribution by Classification: hhv6_ie1a

Comparing hard vs soft classifications



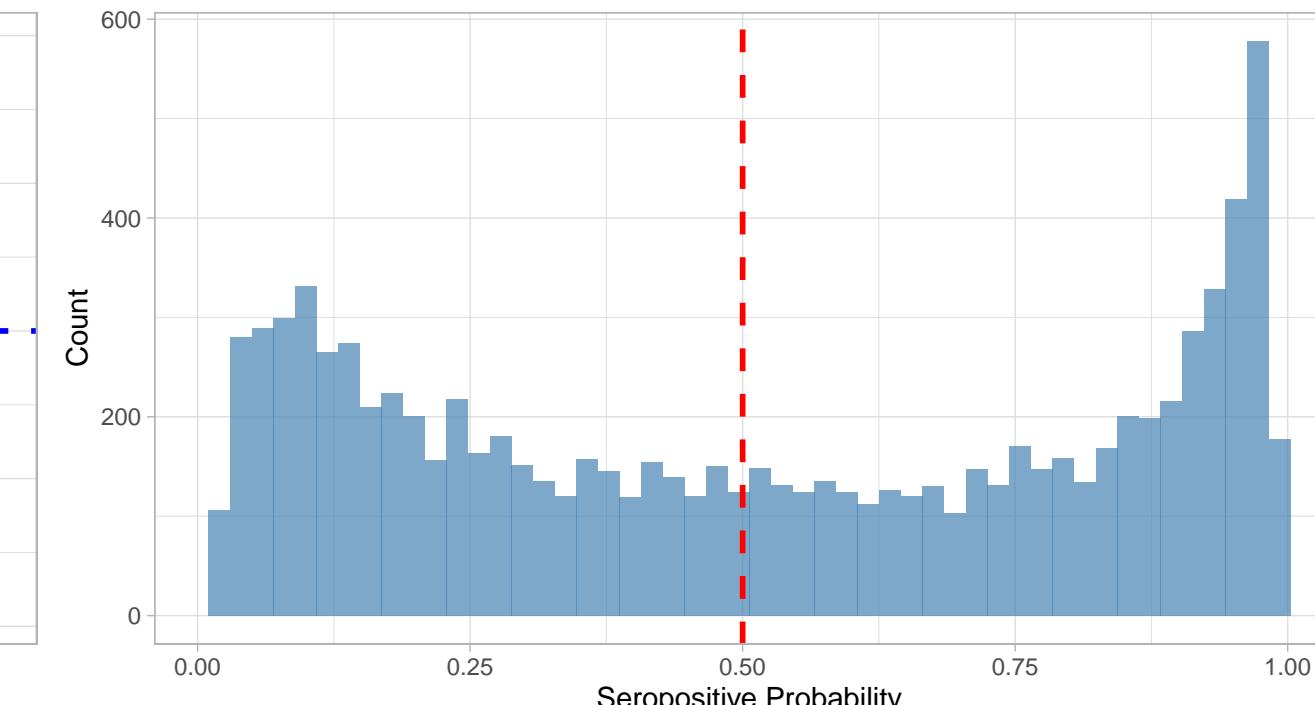
IgG Level vs Seropositive Probability: hhv6_ie1a

Red line = hard threshold, Blue line = 50% probability



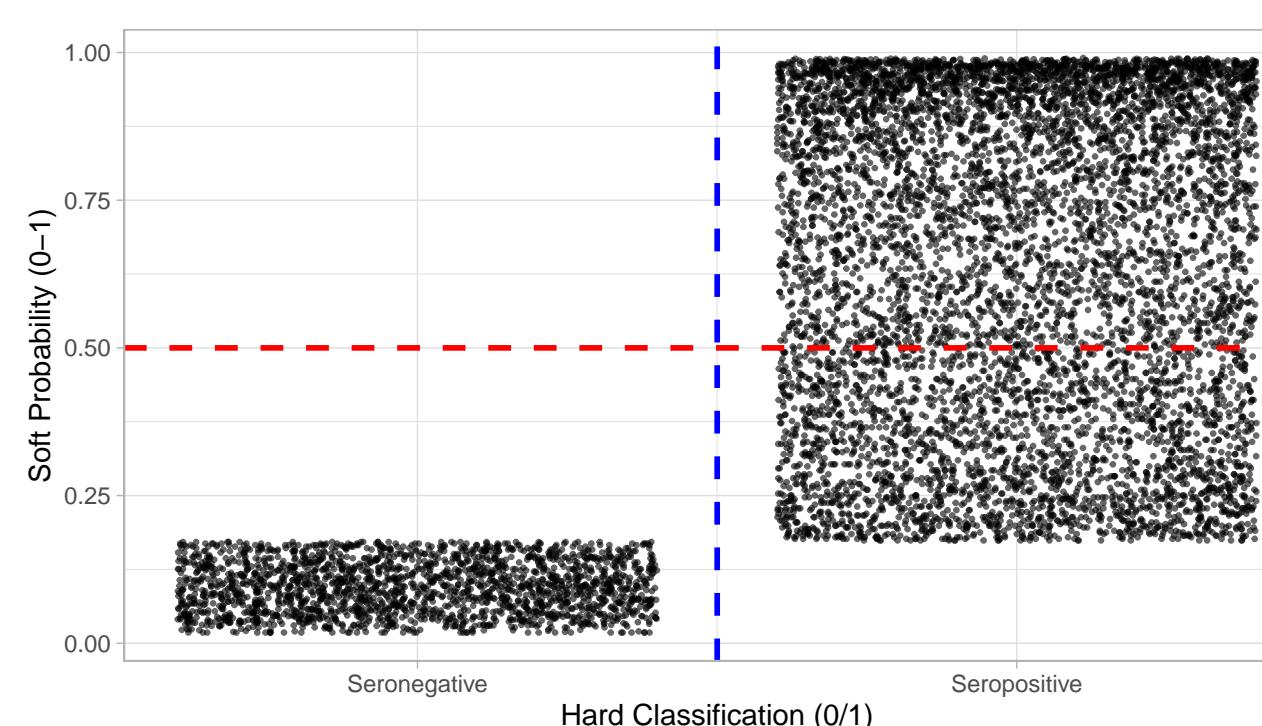
Distribution of Seropositive Probabilities: hhv6_ie1a

Red line = 50% threshold



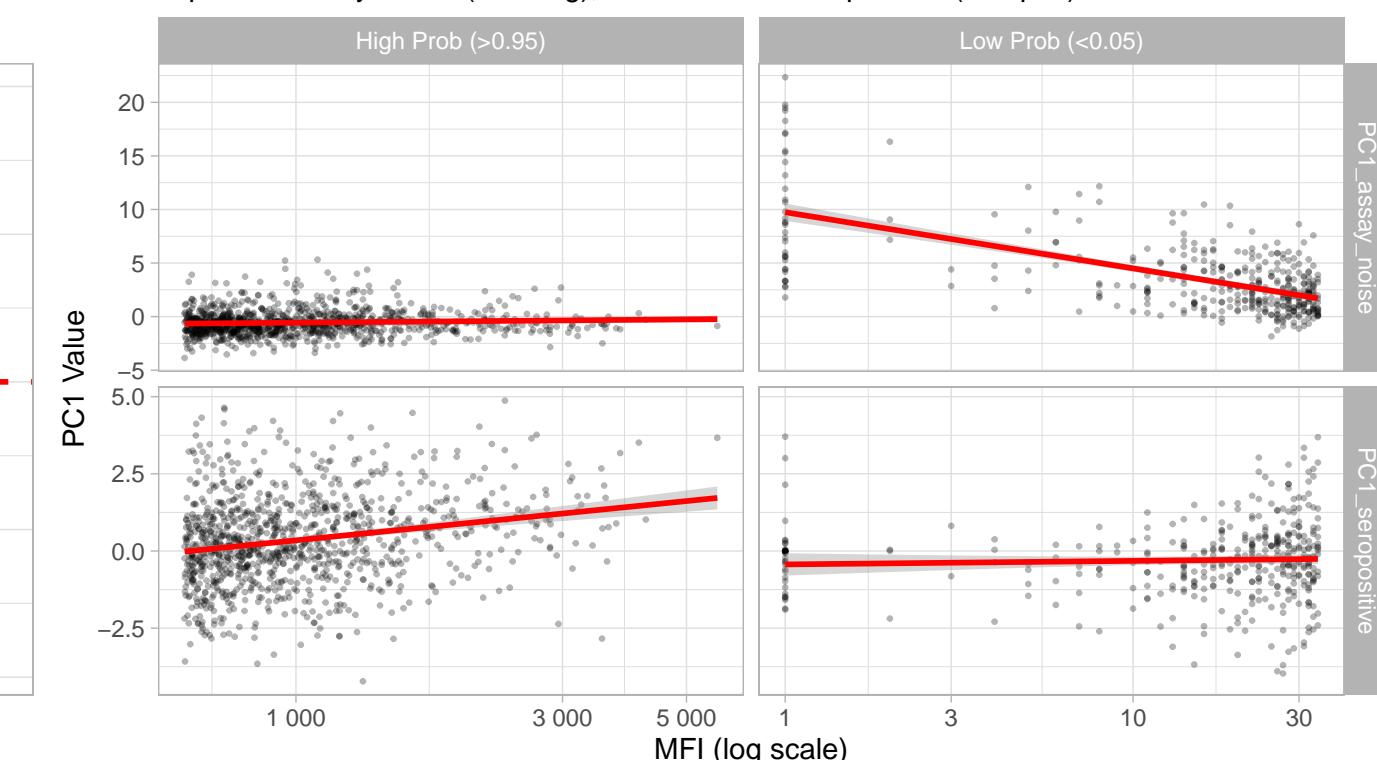
Hard vs Soft Classification: hhv6_ie1a

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hhv6_ie1a

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

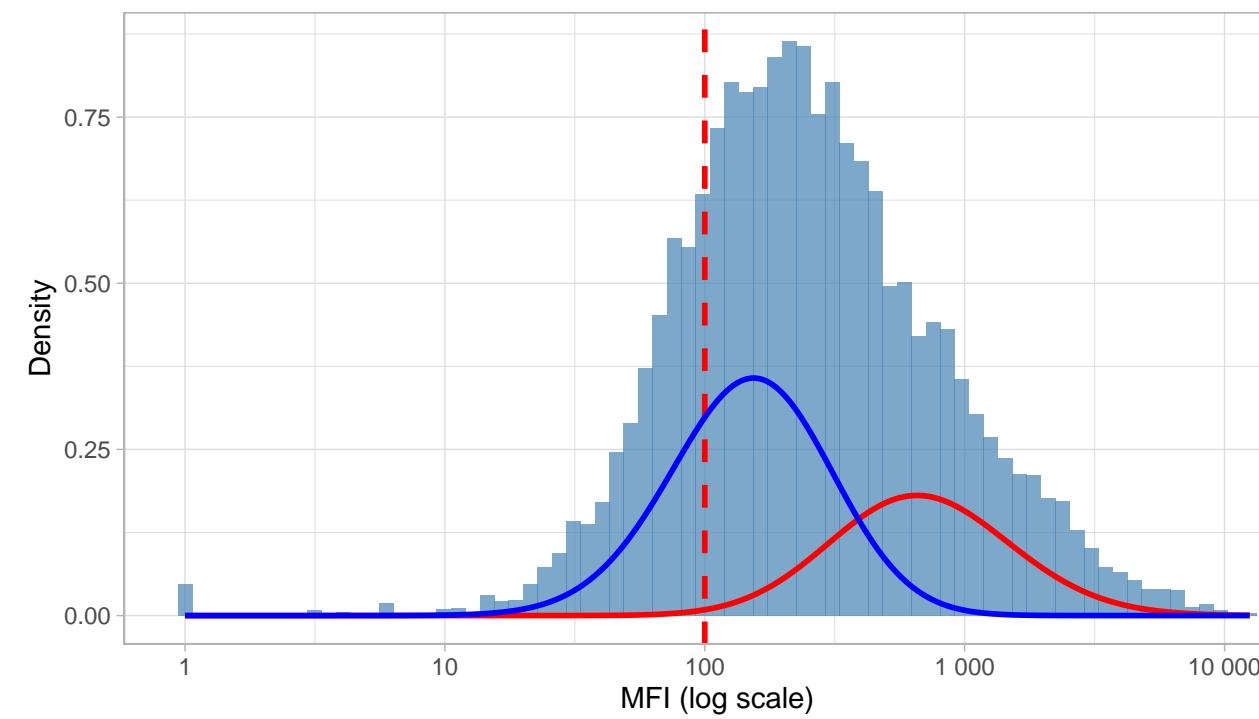


Diagnostics: hhv6_ie1b

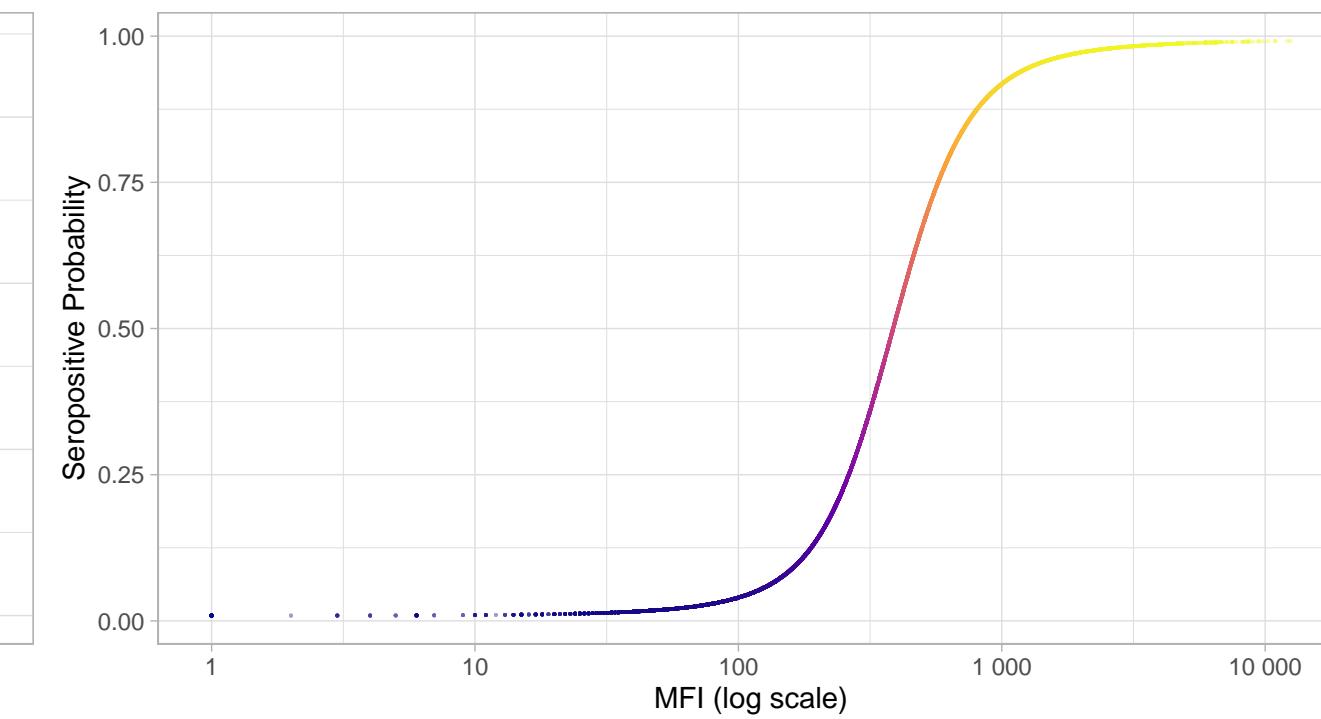
N=9424 | >0.95=842 | <0.05=2359 | Ambig=6223

Original MFI Distribution: hhv6_ie1b

Hard cutoff threshold = 100

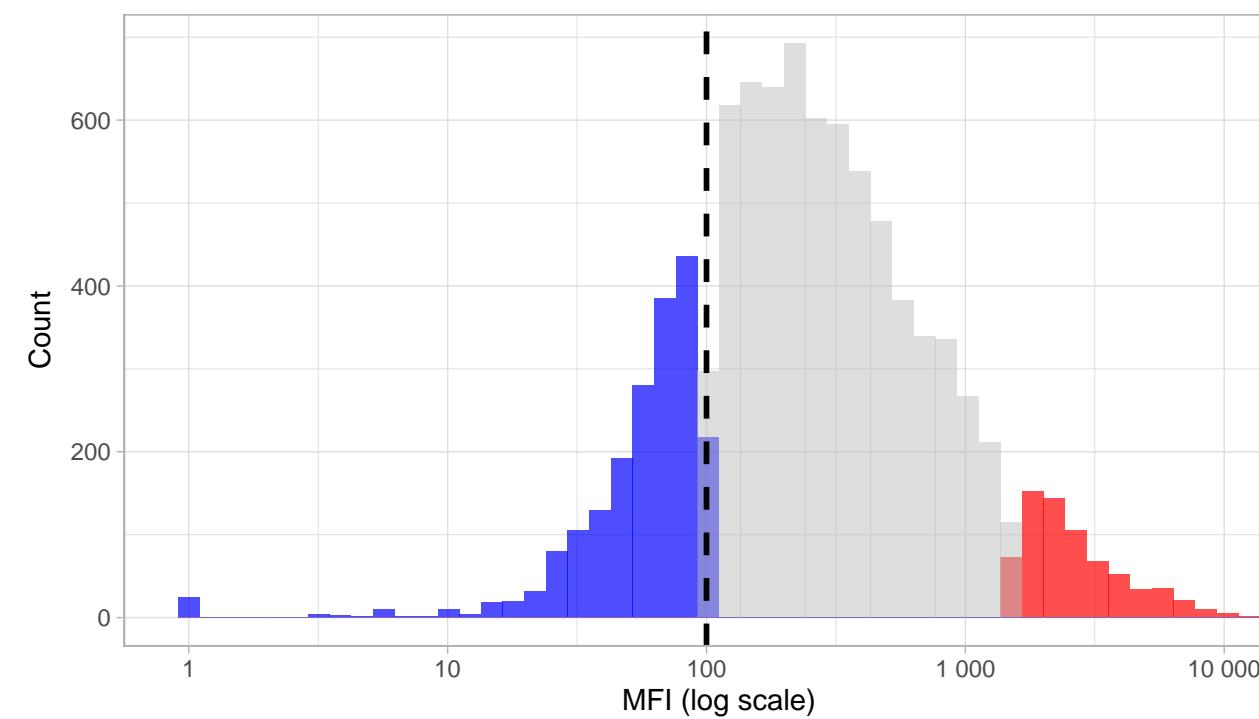


IgG vs Seropositive Probability: hhv6_ie1b



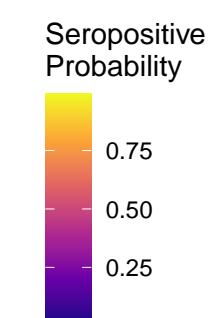
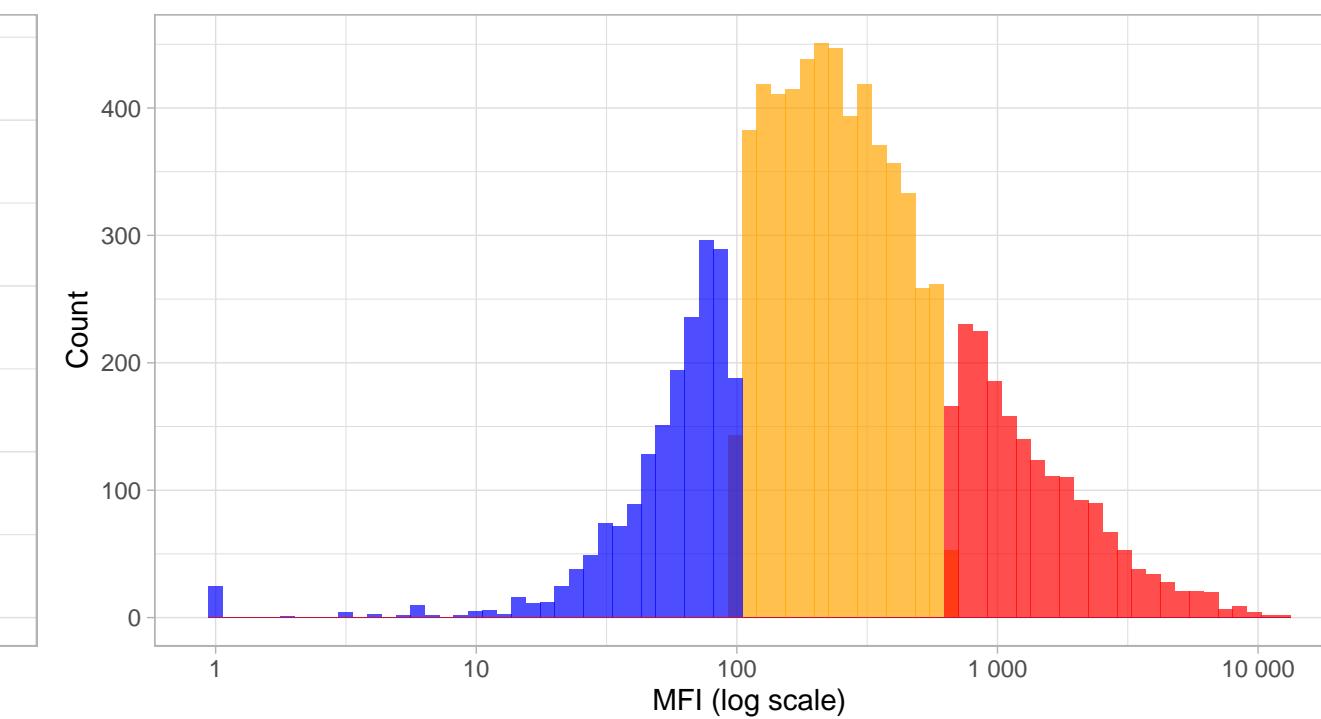
High-Confidence Seropositive Distribution: hhv6_ie1b

Prob threshold = 0.96



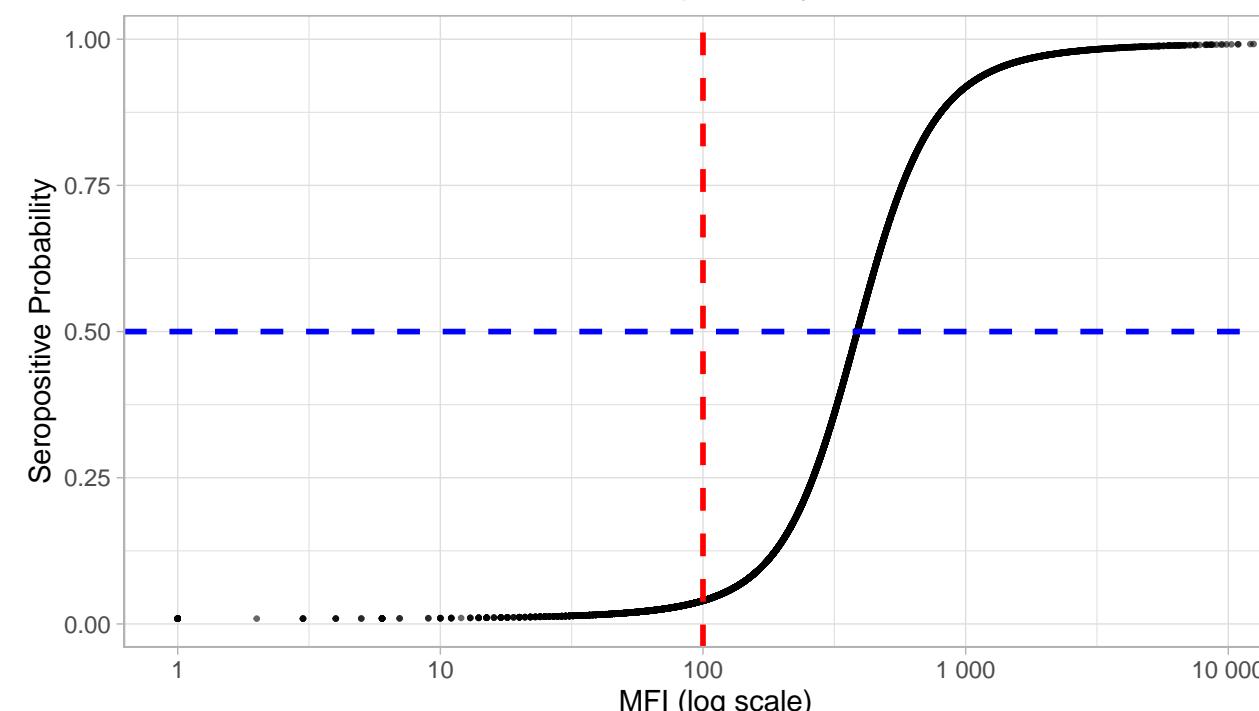
Phenotype Distribution by Classification: hhv6_ie1b

Comparing hard vs soft classifications



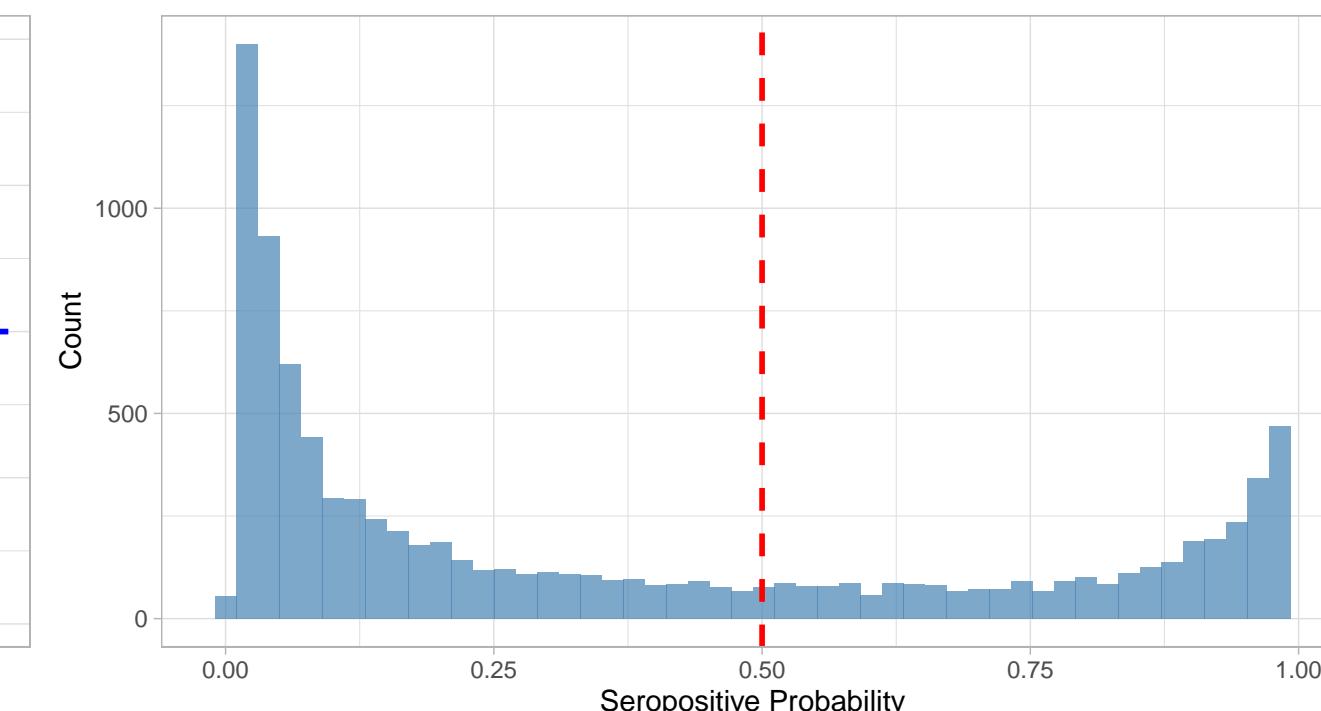
IgG Level vs Seropositive Probability: hhv6_ie1b

Red line = hard threshold, Blue line = 50% probability



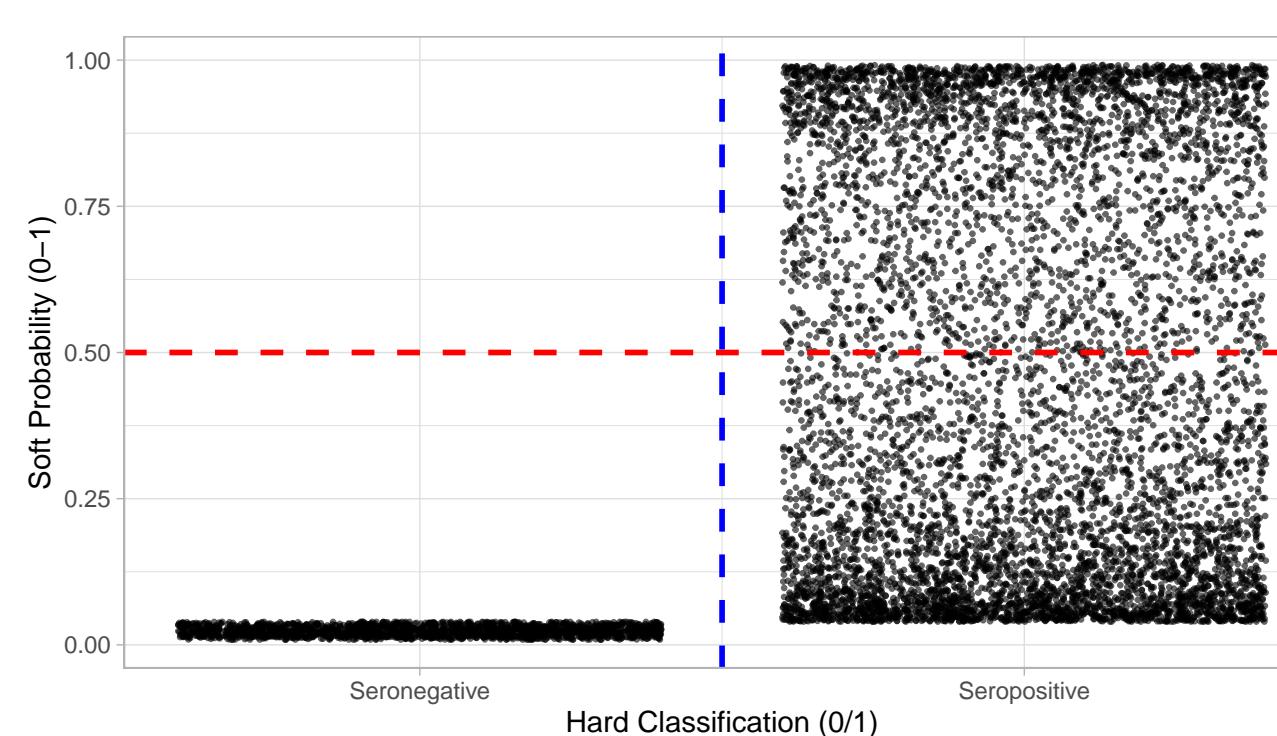
Distribution of Seropositive Probabilities: hhv6_ie1b

Red line = 50% threshold



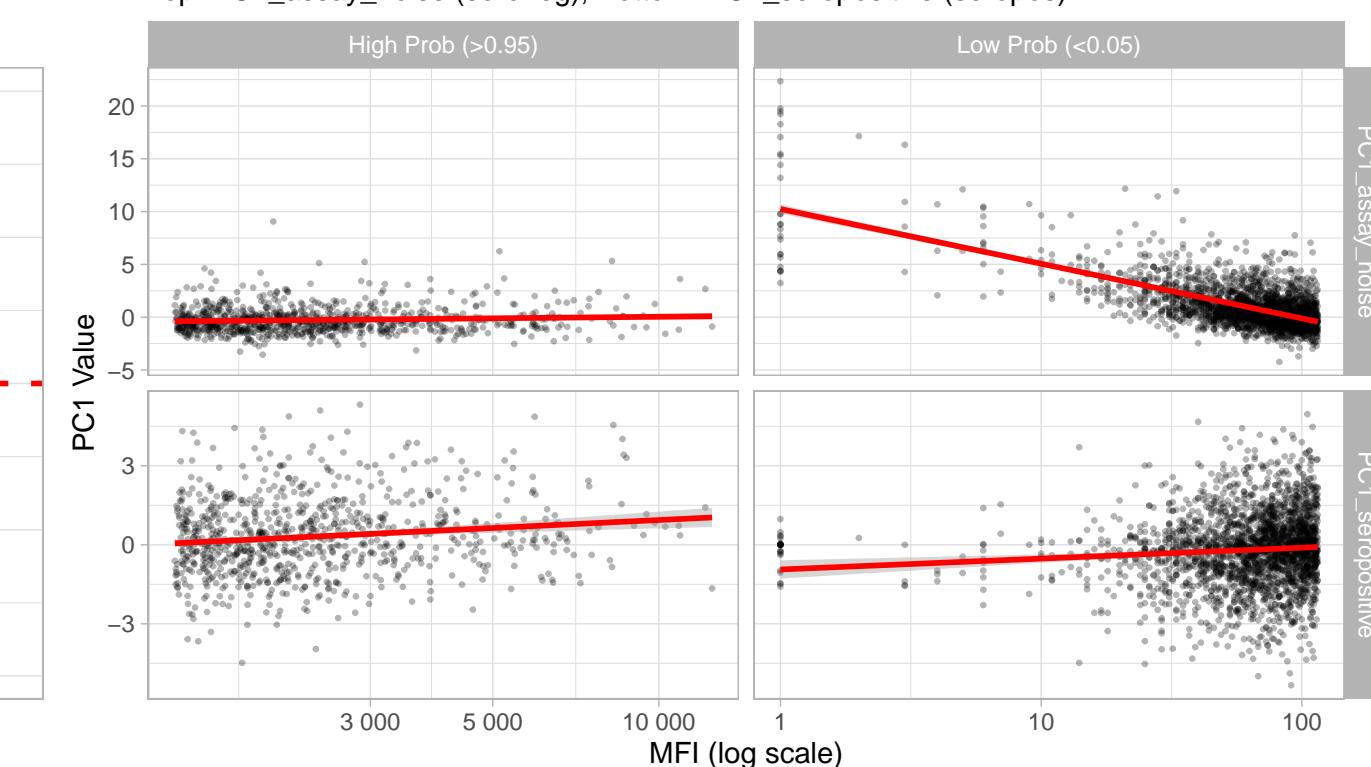
Hard vs Soft Classification: hhv6_ie1b

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: hhv6_ie1b

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

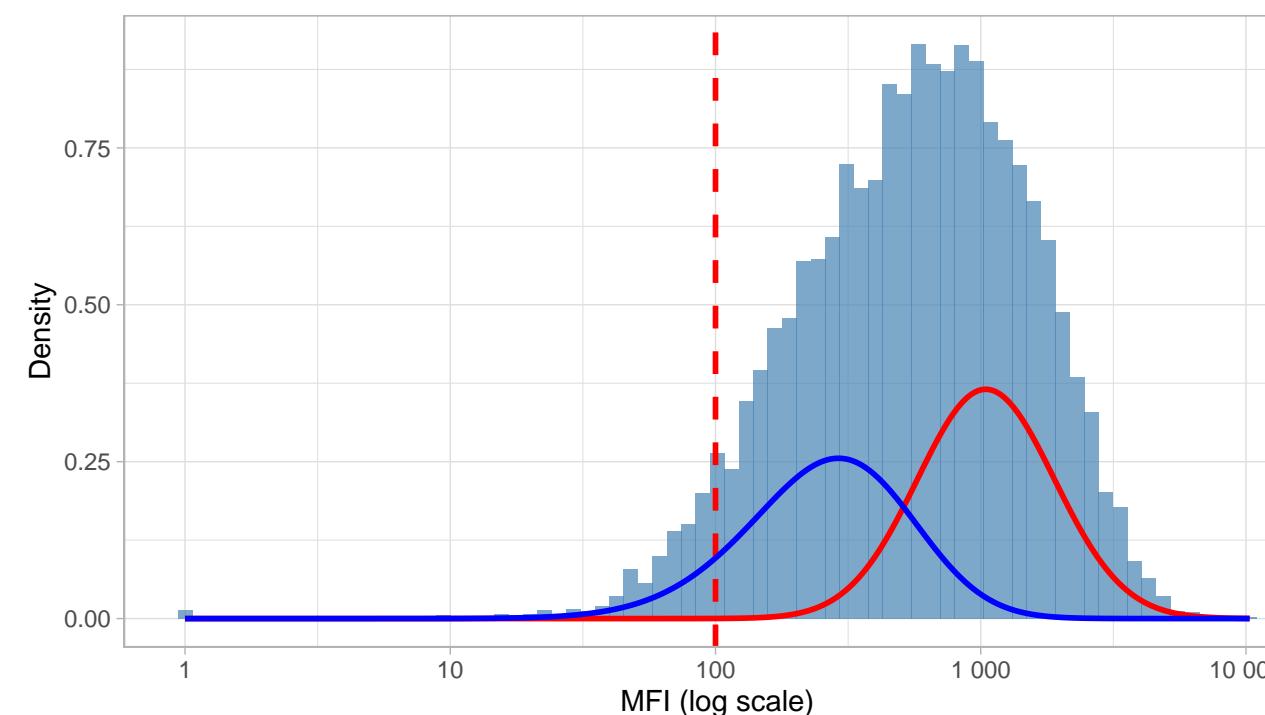


Diagnostics: hhv7_u14

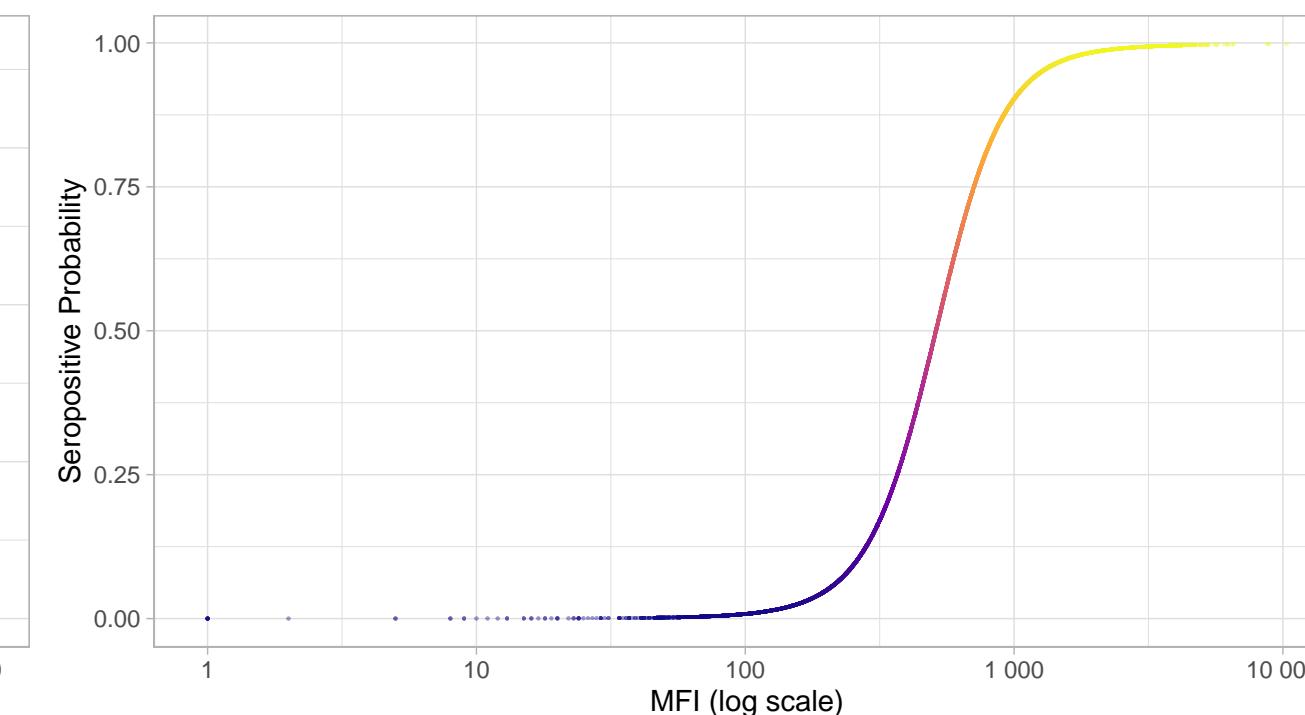
N=9424 | >0.95=2044 | <0.05=1570 | Ambig=5810

Original MFI Distribution: hhv7_u14

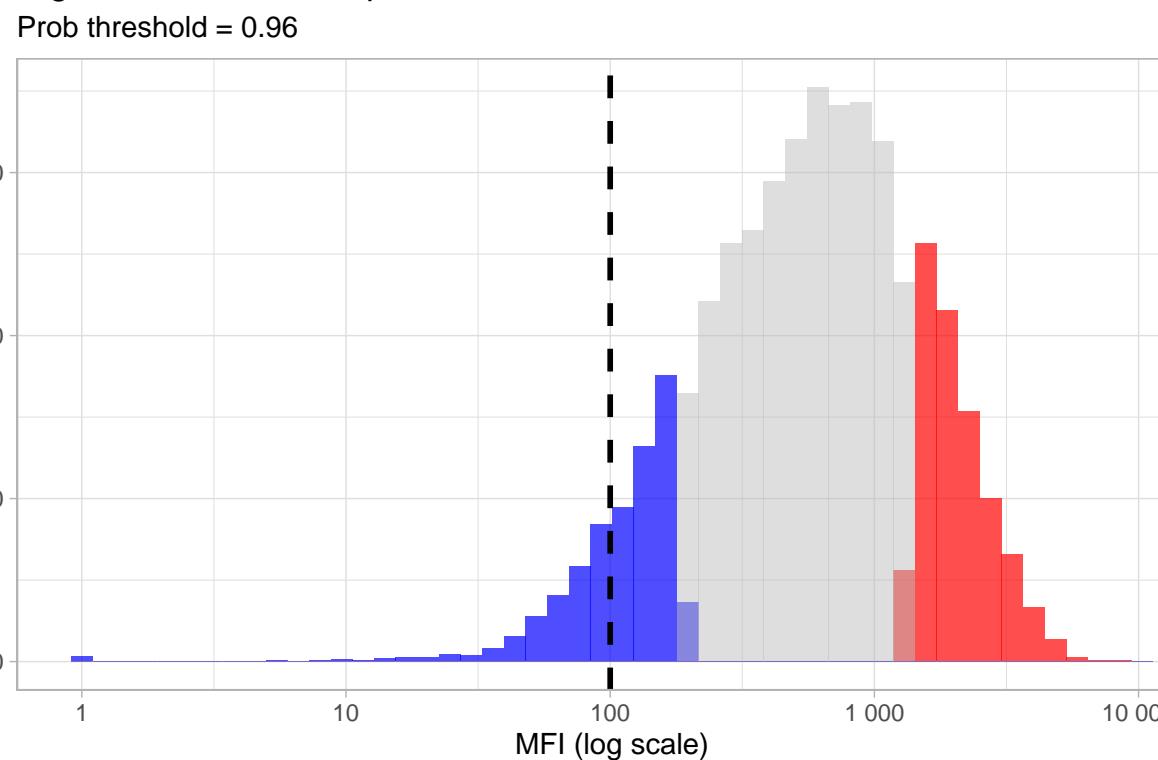
Hard cutoff threshold = 100



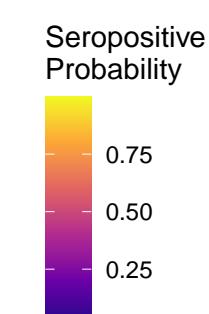
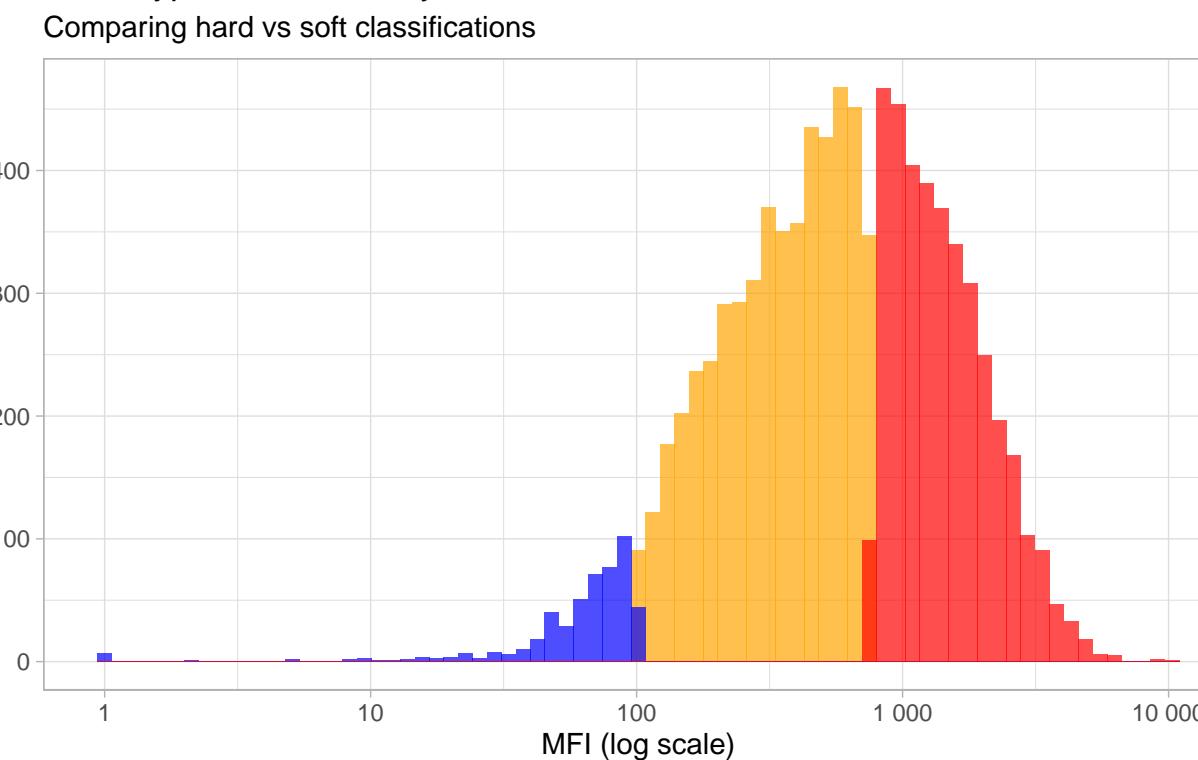
IgG vs Seropositive Probability: hhv7_u14



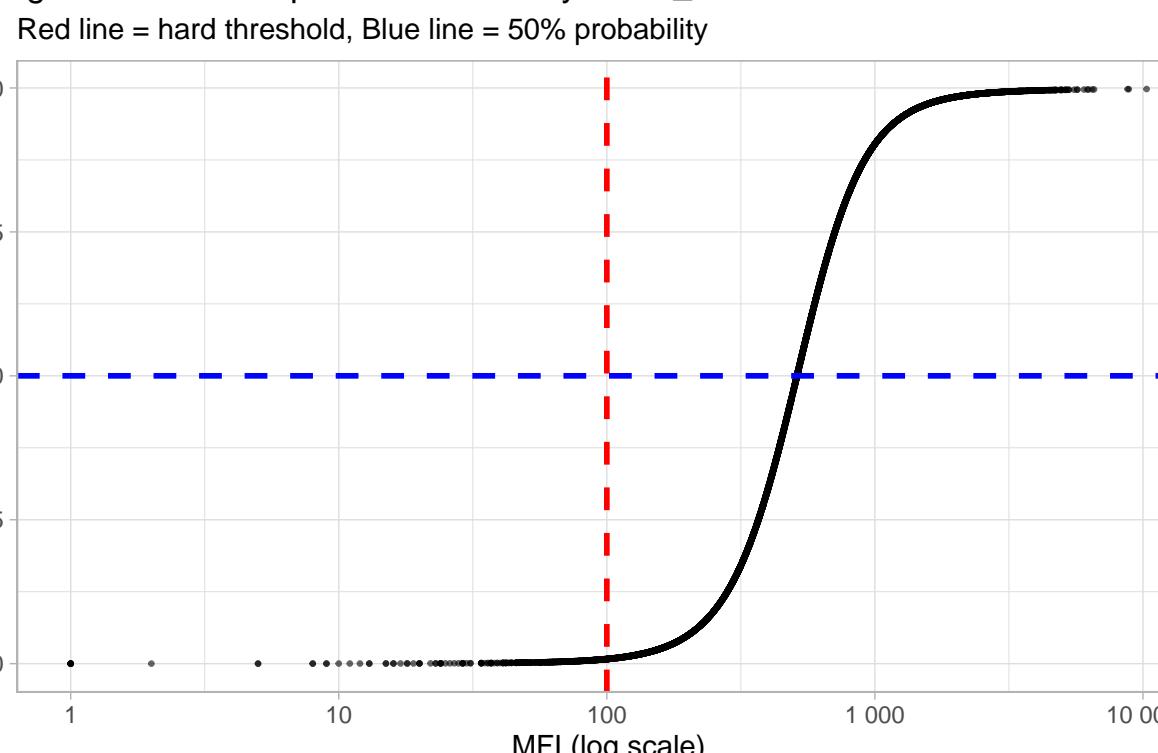
High-Confidence Seropositive Distribution: hhv7_u14



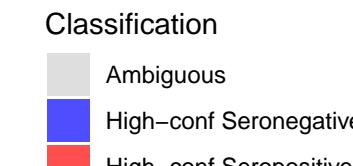
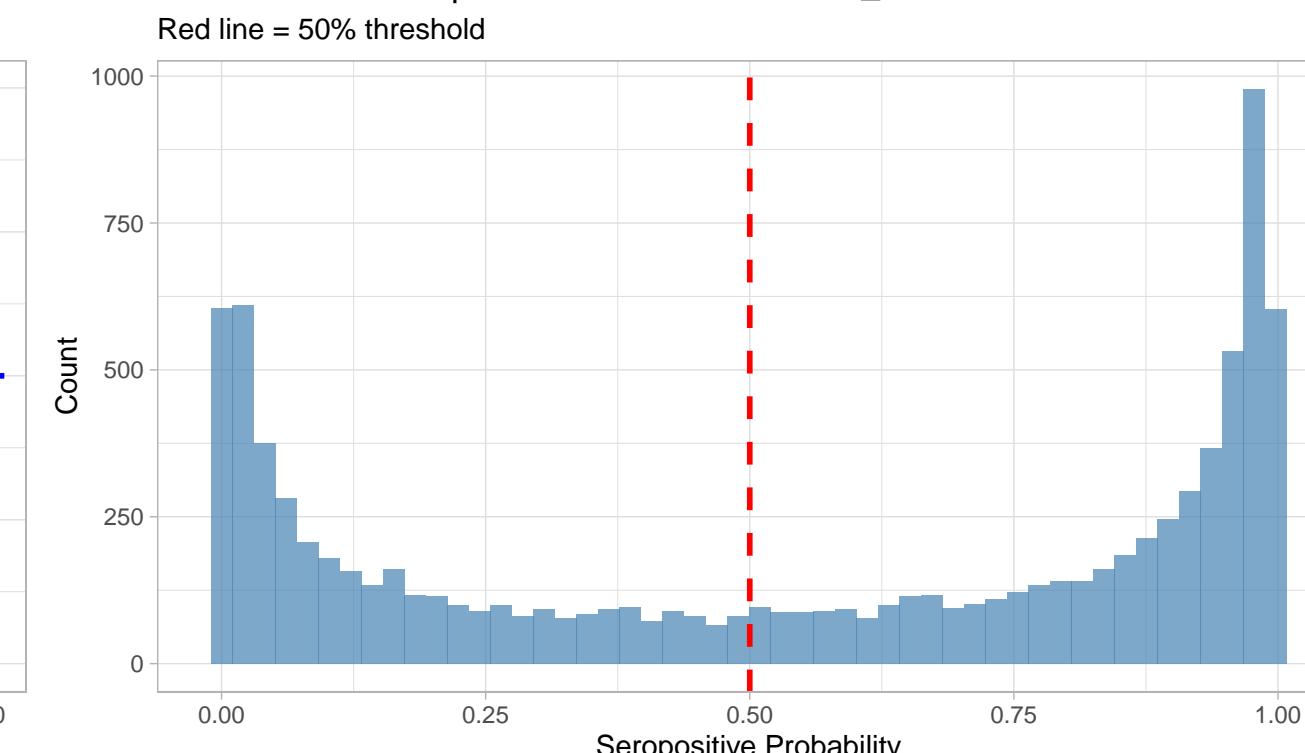
Phenotype Distribution by Classification: hhv7_u14



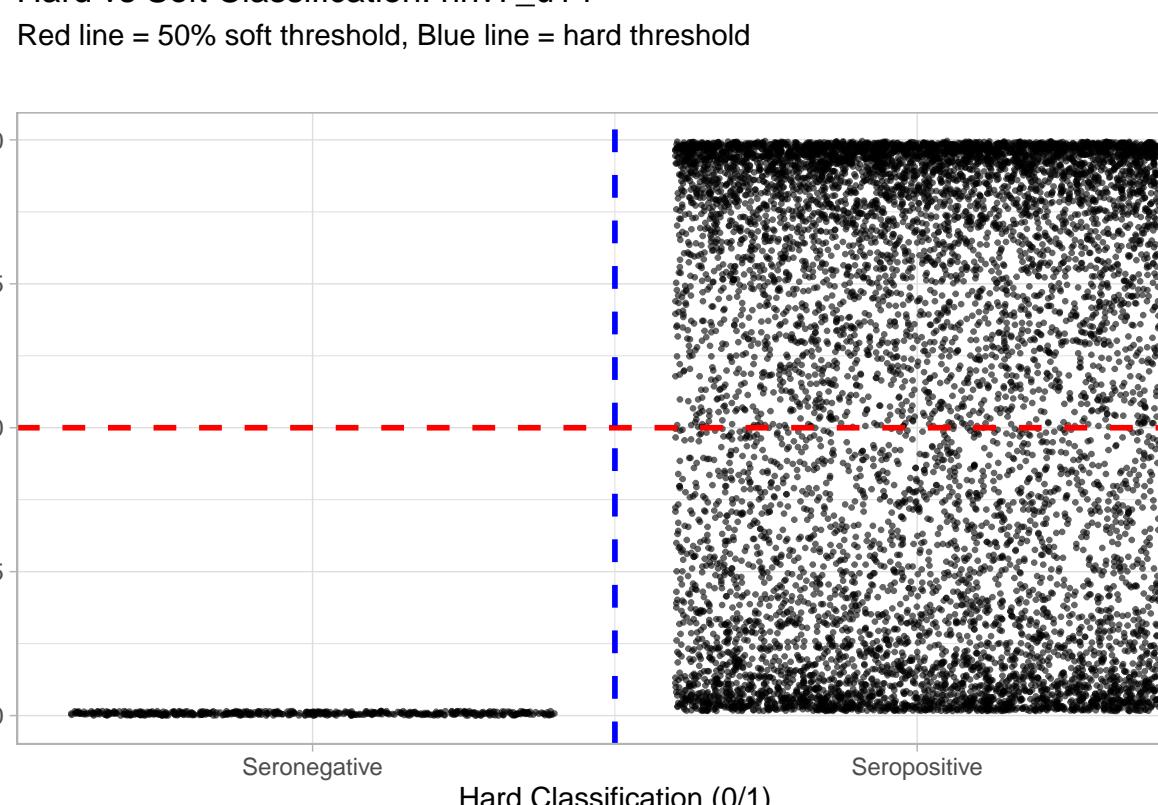
IgG Level vs Seropositive Probability: hhv7_u14



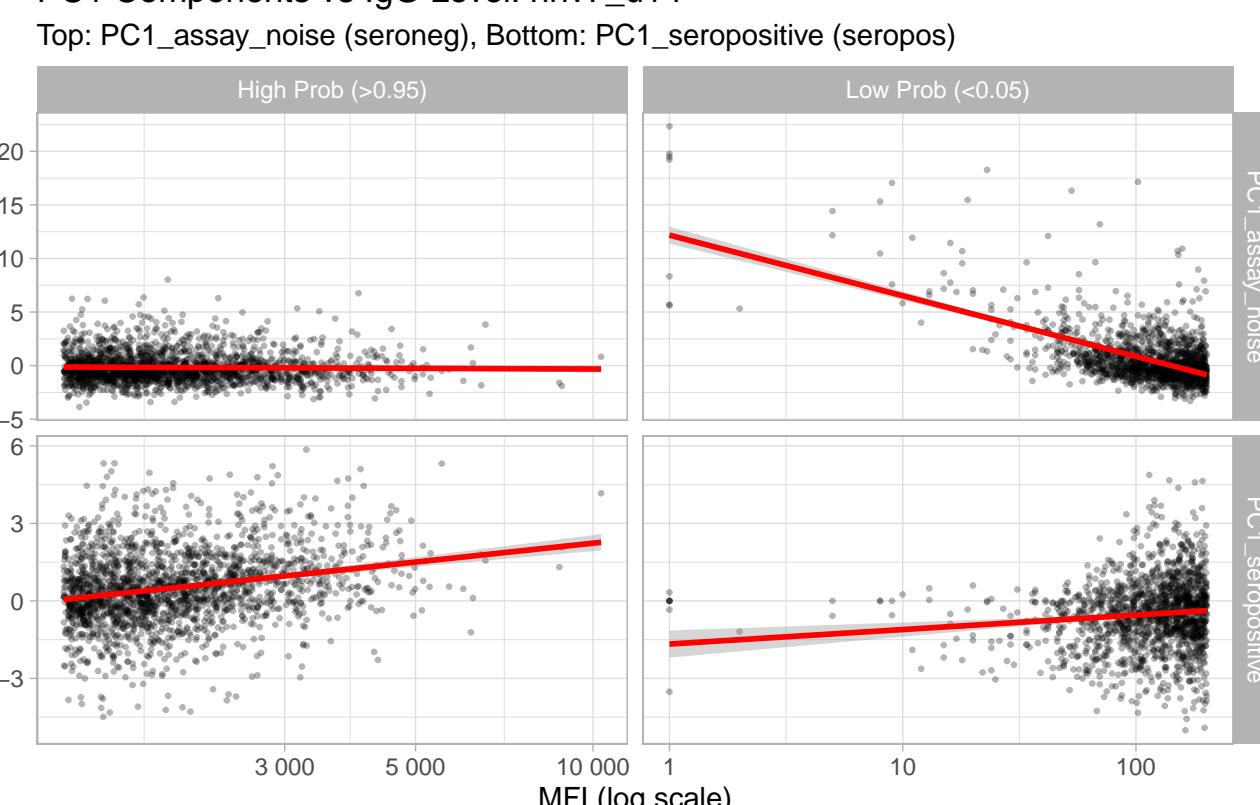
Distribution of Seropositive Probabilities: hhv7_u14



Hard vs Soft Classification: hhv7_u14



PC1 Components vs IgG Level: hhv7_u14

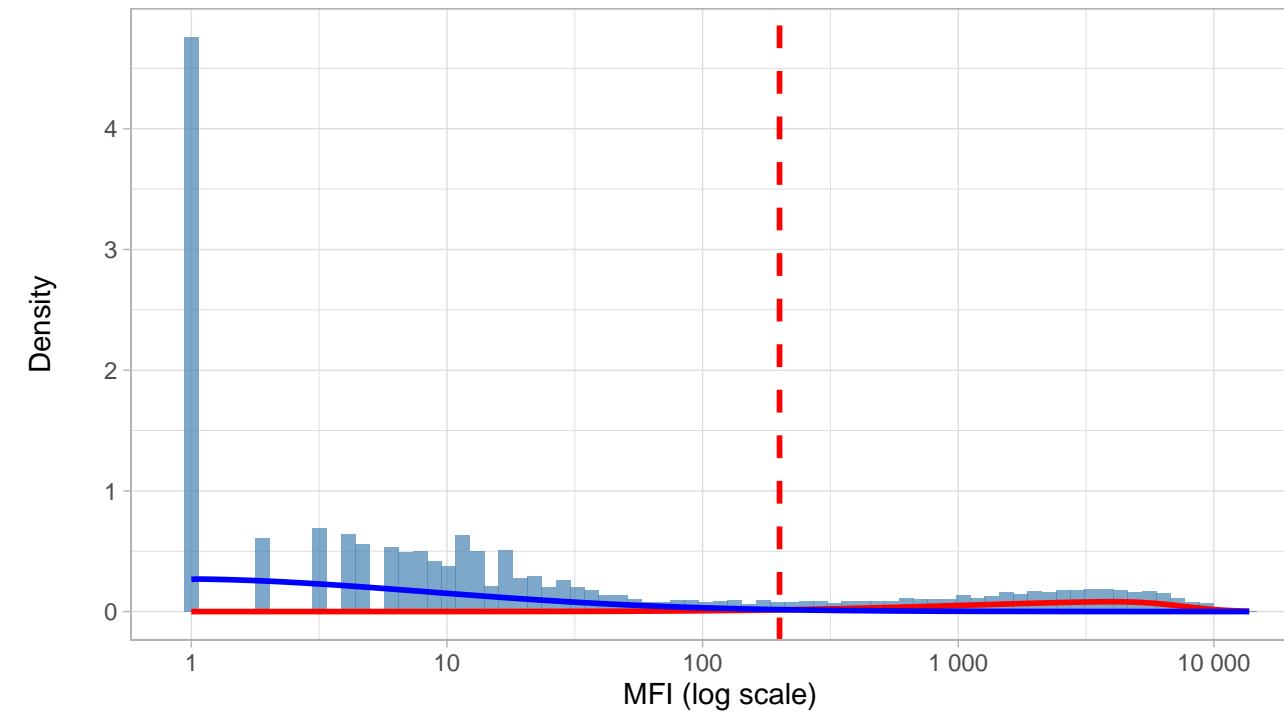


Diagnostics: ct_pgp3

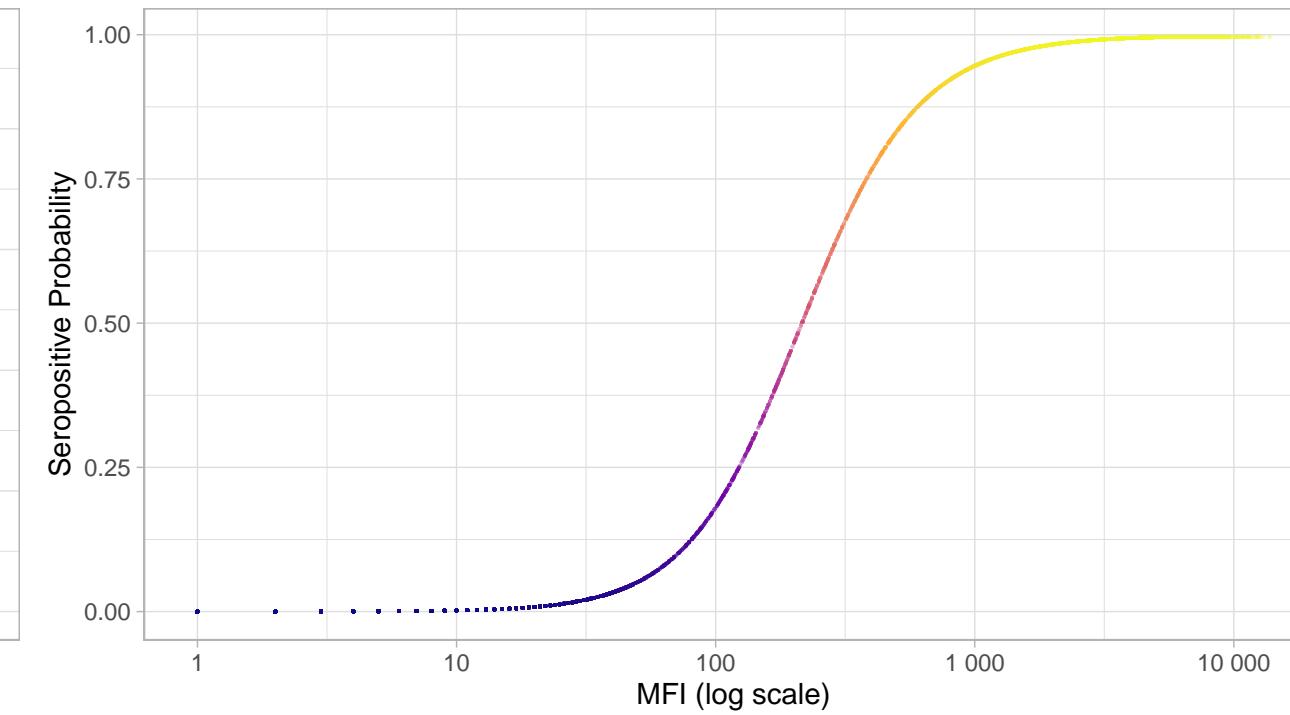
N=9424 | >0.95=1392 | <0.05=6906 | Ambig=1126

Original MFI Distribution: ct_pgp3

Hard cutoff threshold = 200

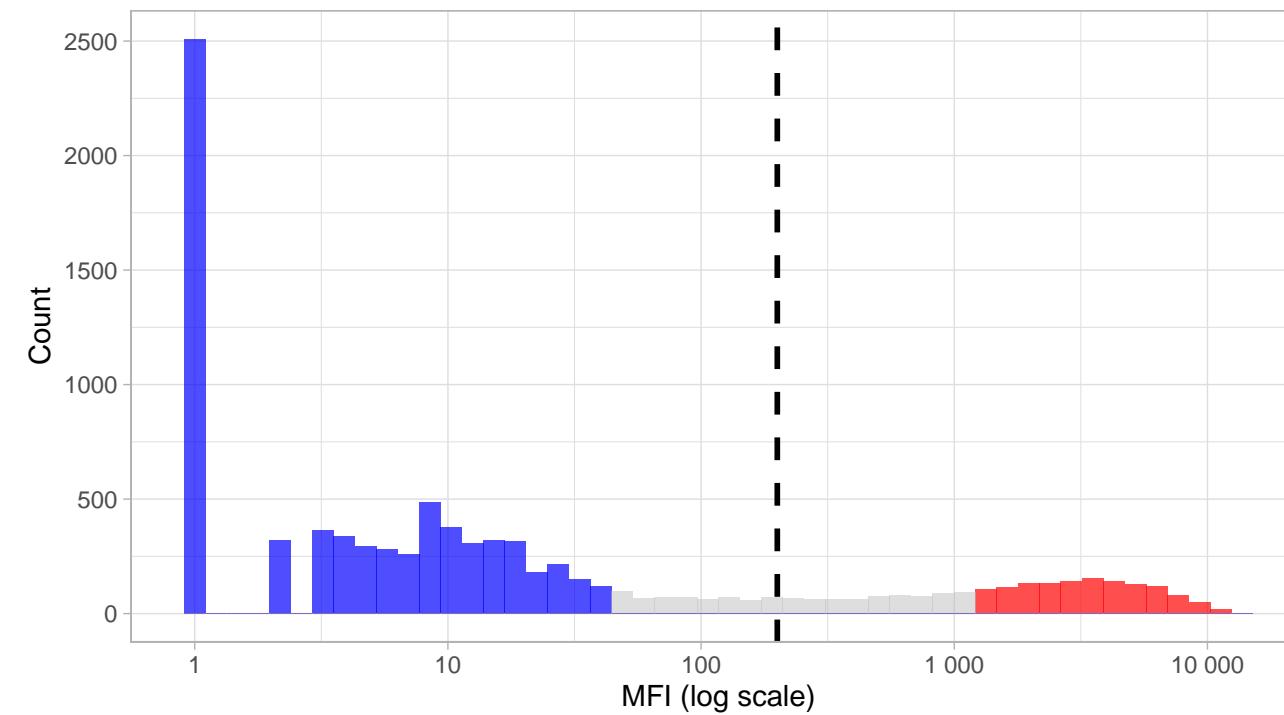


IgG vs Seropositive Probability: ct_pgp3



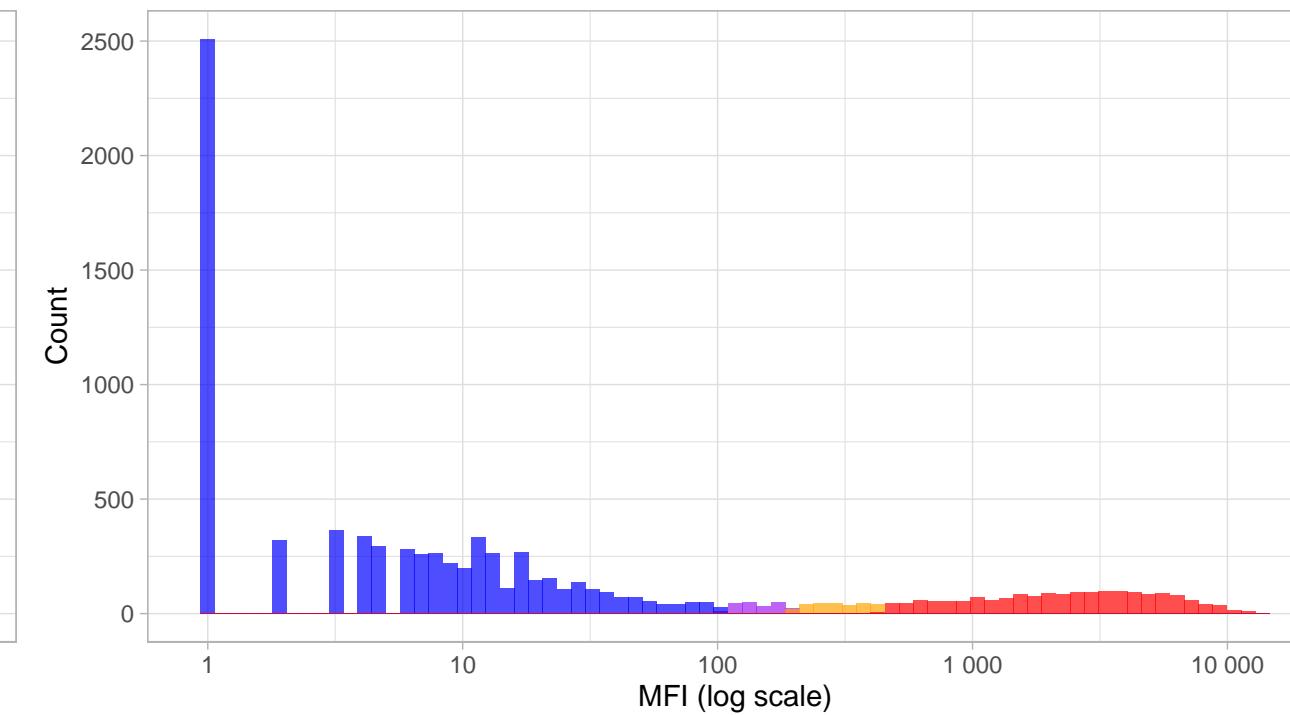
High-Confidence Seropositive Distribution: ct_pgp3

Prob threshold = 0.96



Phenotype Distribution by Classification: ct_pgp3

Comparing hard vs soft classifications



Seropositive Probability
Color Scale: 0.25 (dark purple) to 0.75 (yellow)

Classification

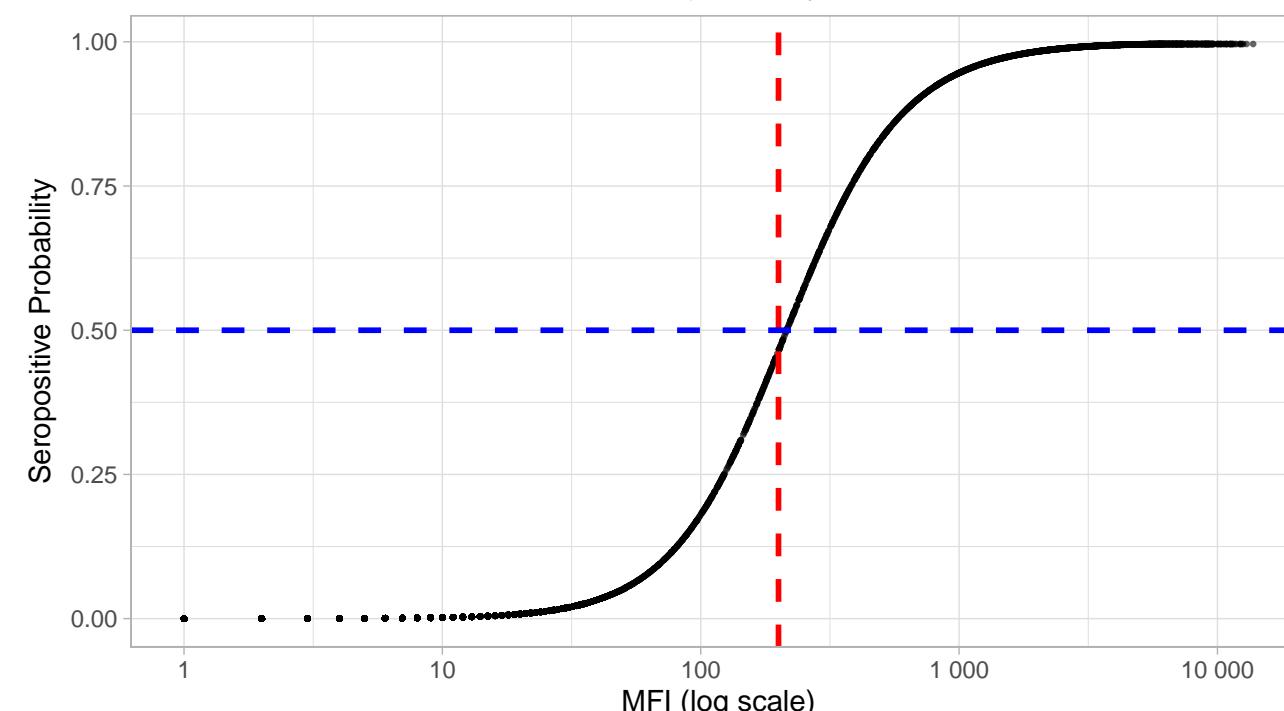
- Ambiguous
- High-conf Seronegative
- High-conf Seropositive

Classification

- Hard Negative, Soft High
- Hard Positive, Soft Low
- Hard+Soft Negative
- Hard+Soft Positive

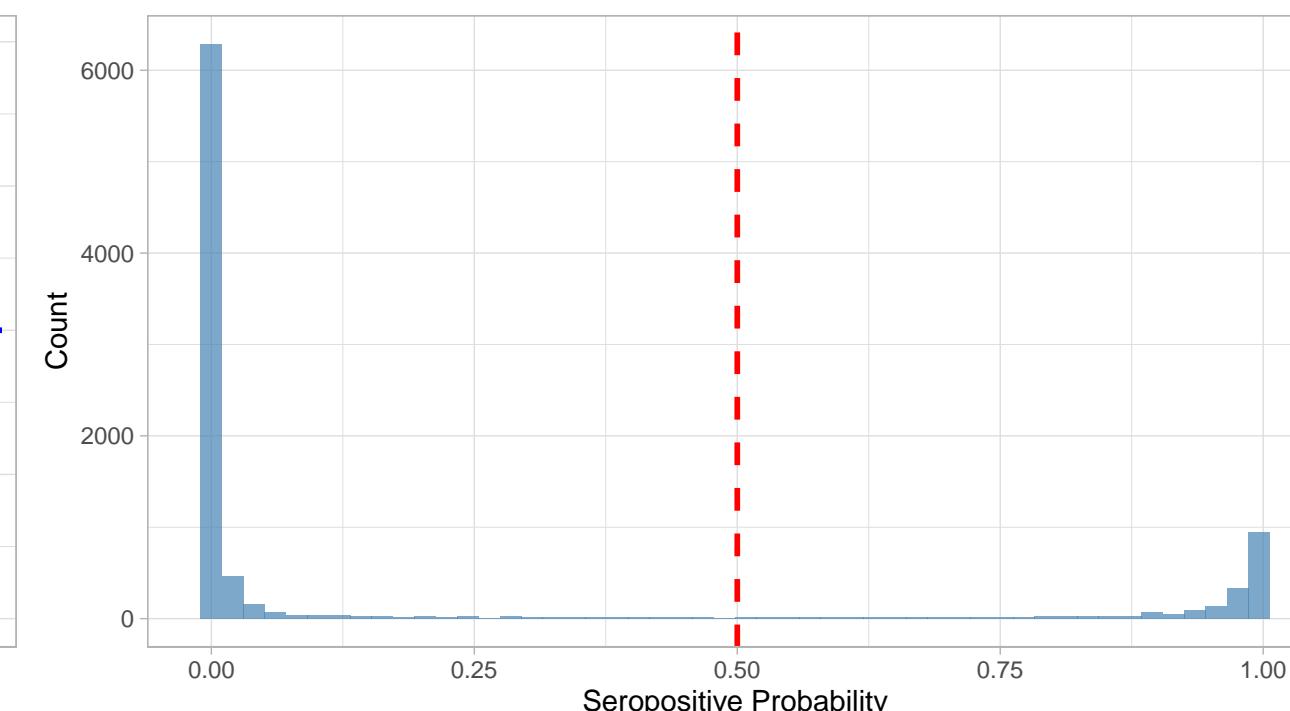
IgG Level vs Seropositive Probability: ct_pgp3

Red line = hard threshold, Blue line = 50% probability



Distribution of Seropositive Probabilities: ct_pgp3

Red line = 50% threshold

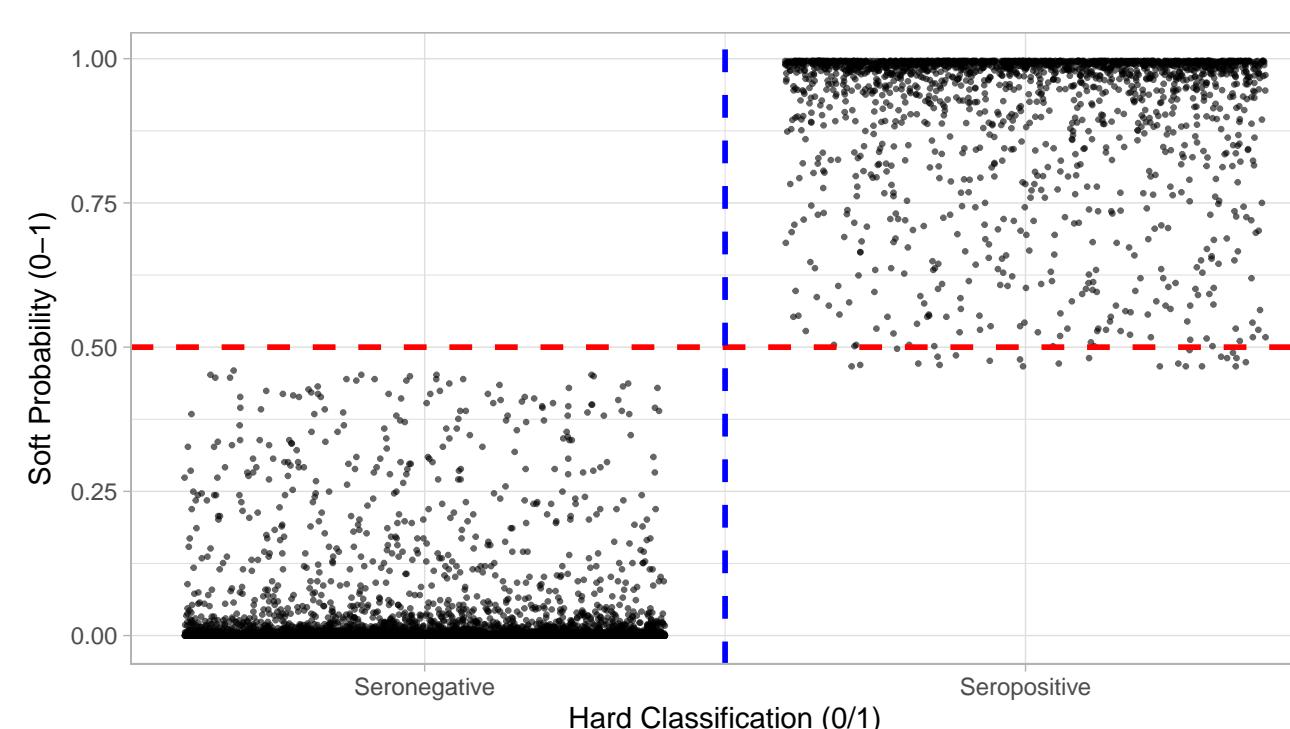


Classification

- Ambiguous
- High-conf Seronegative
- High-conf Seropositive

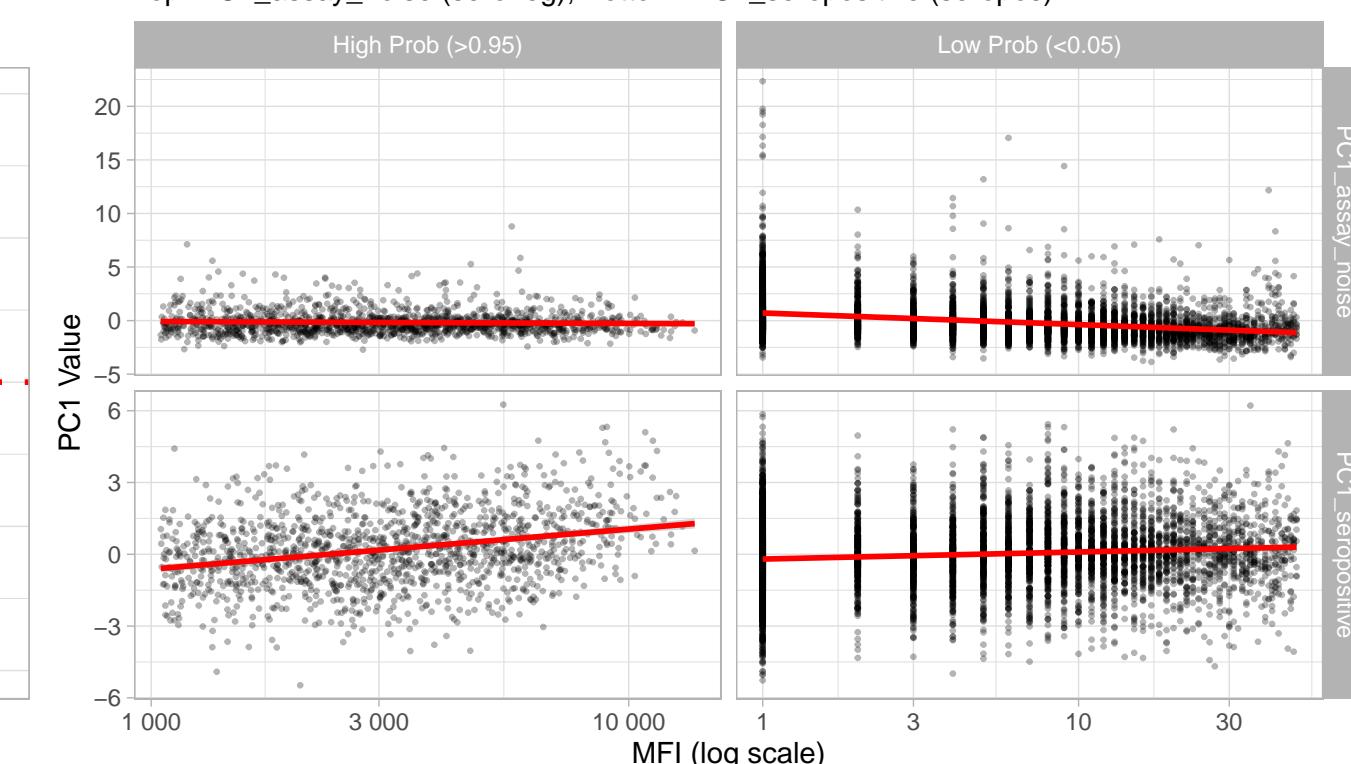
Hard vs Soft Classification: ct_pgp3

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ct_pgp3

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

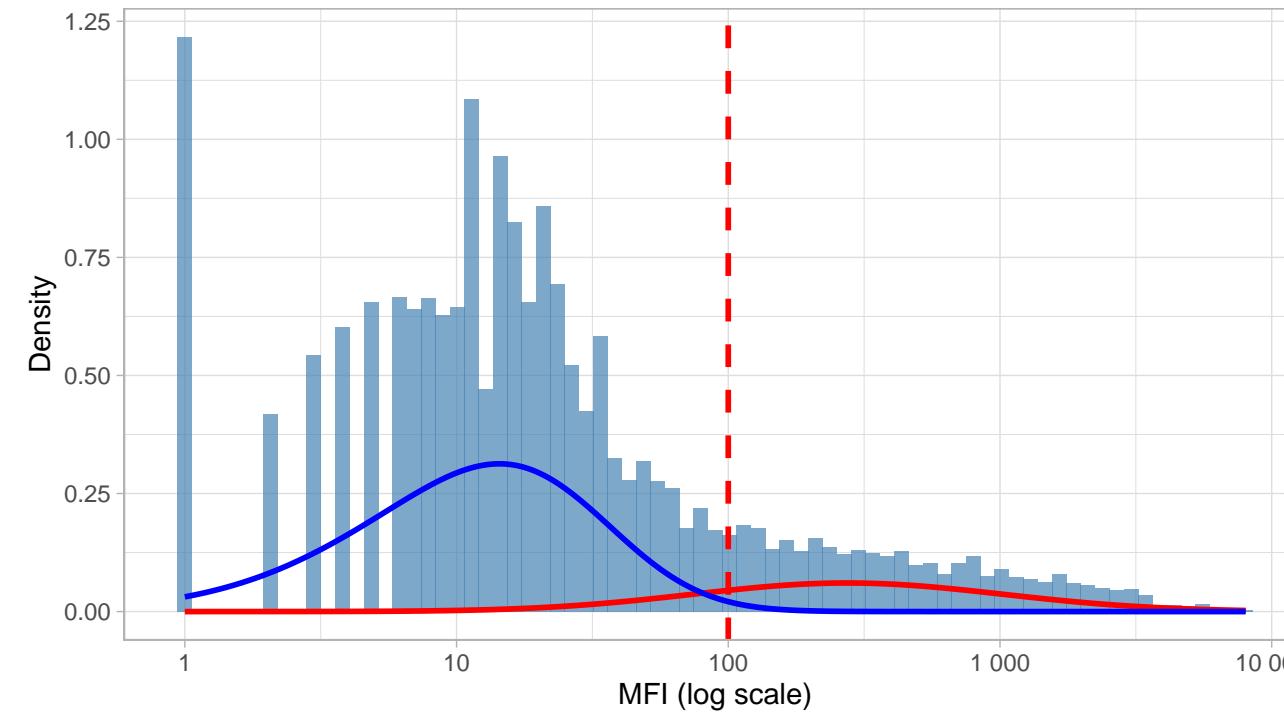


Diagnostics: ct_mompd

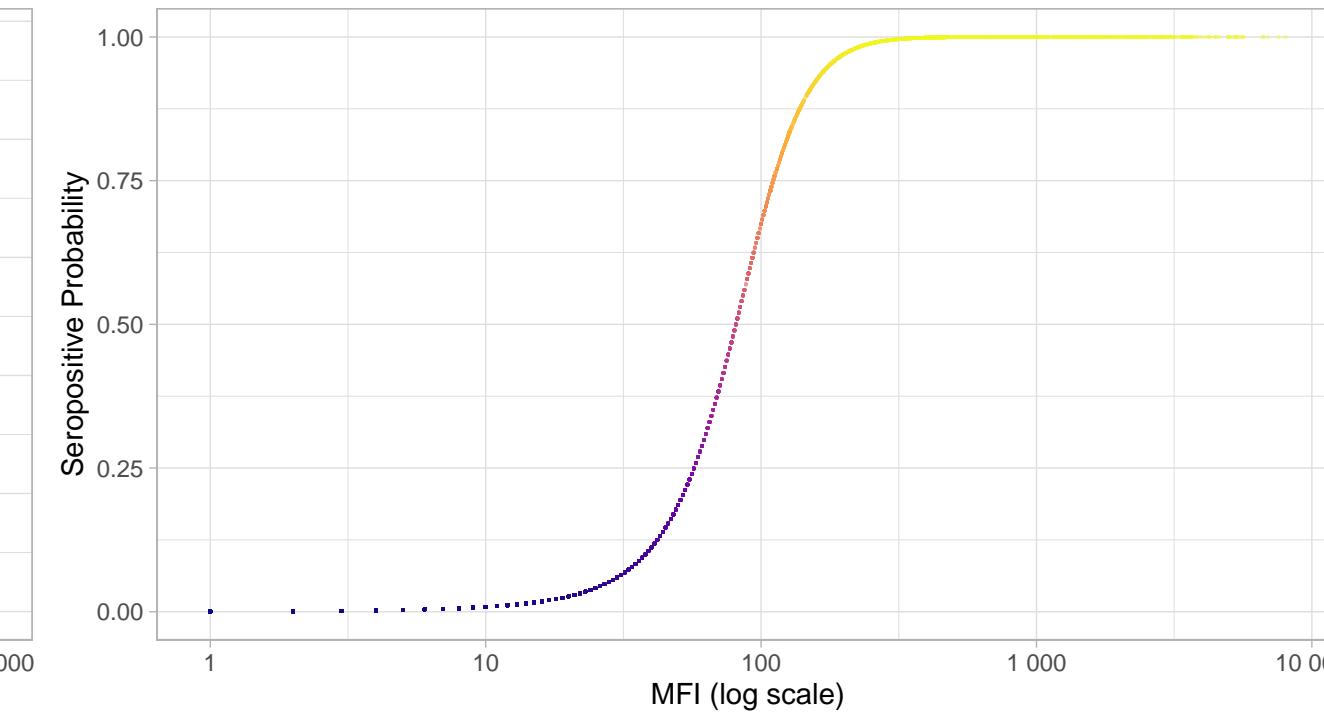
N=9424 | >0.95=1167 | <0.05=6253 | Ambig=2004

Original MFI Distribution: ct_mompd

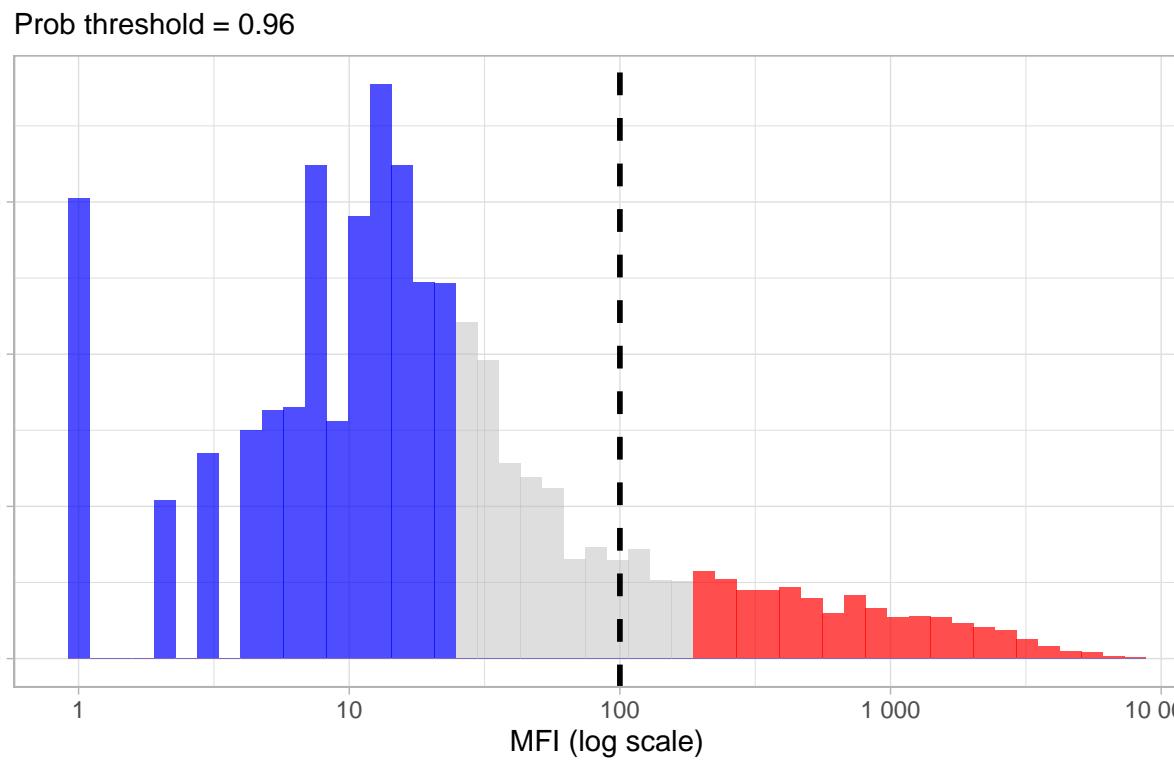
Hard cutoff threshold = 100



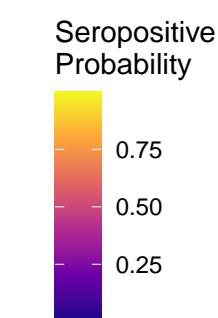
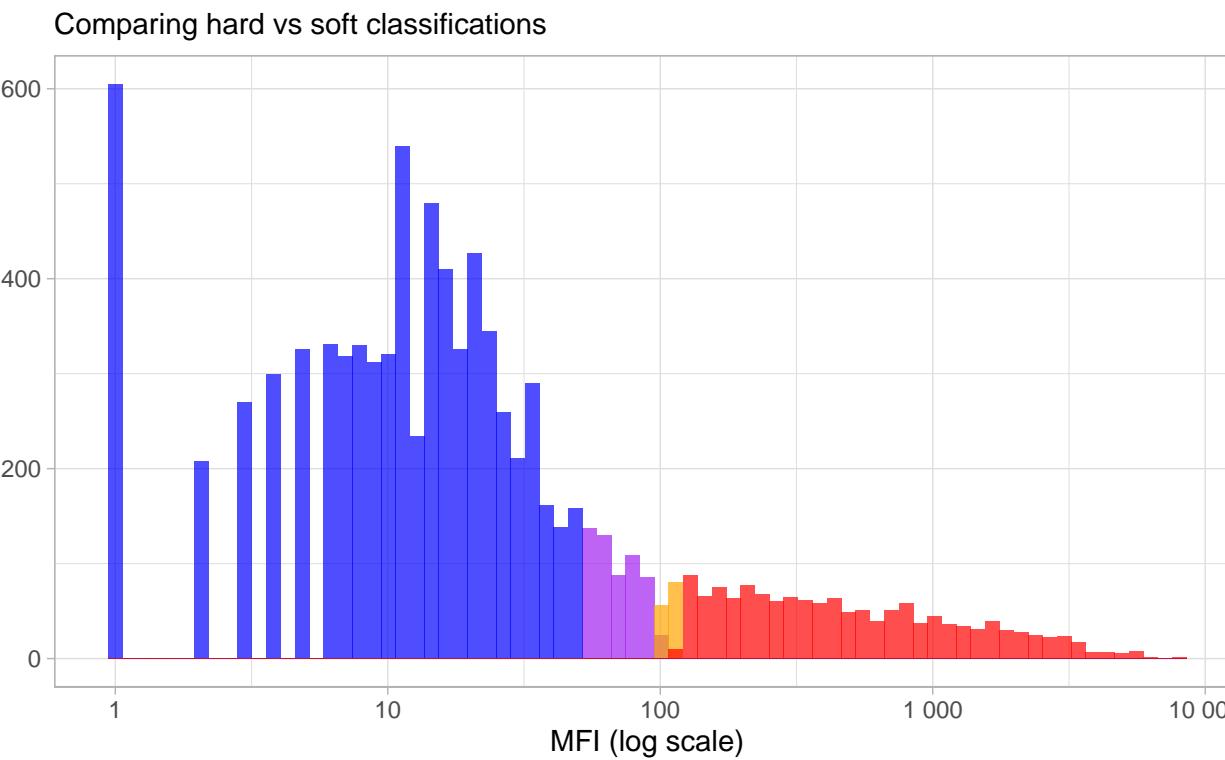
IgG vs Seropositive Probability: ct_mompd



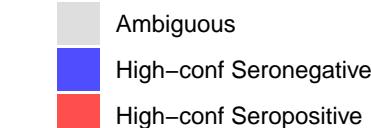
High-Confidence Seropositive Distribution: ct_mompd



Phenotype Distribution by Classification: ct_mompd



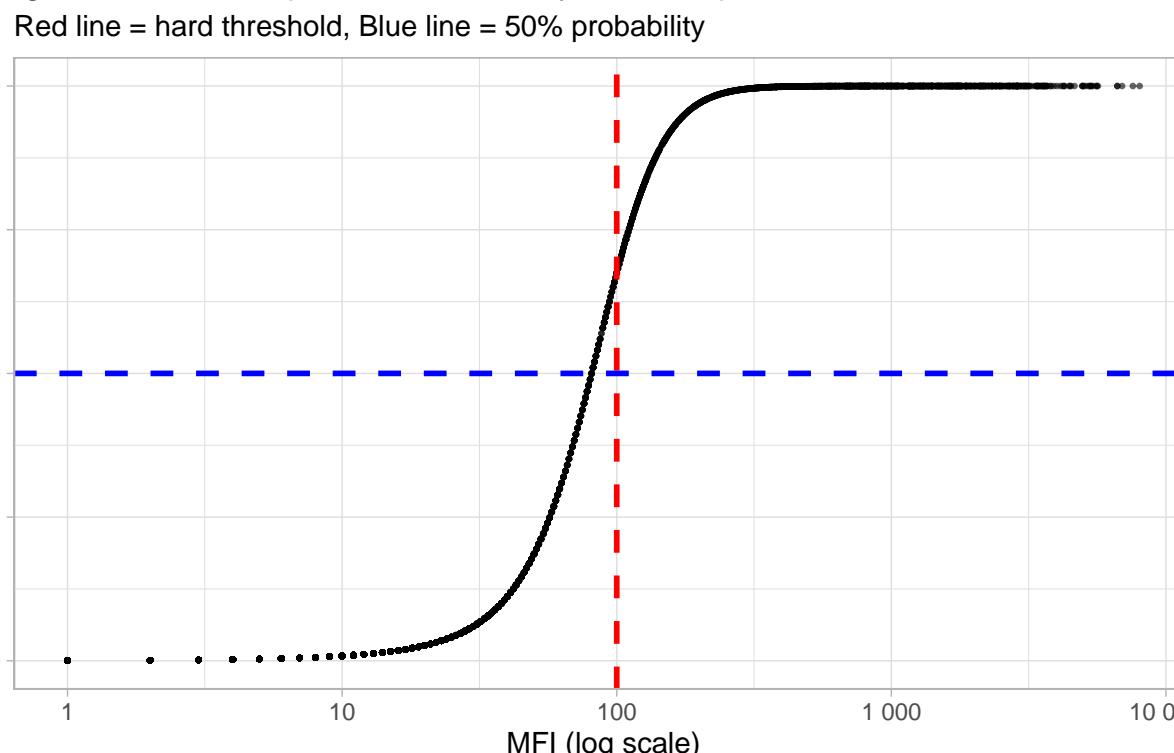
Classification



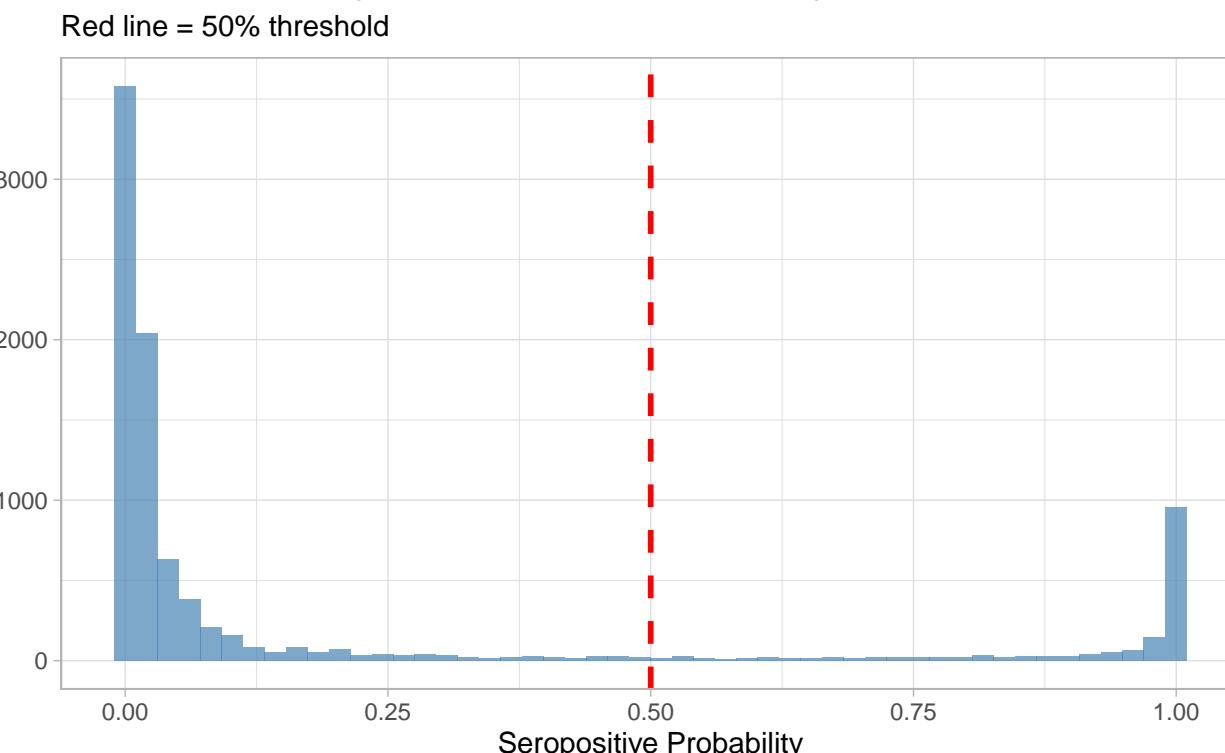
Classification



IgG Level vs Seropositive Probability: ct_mompd



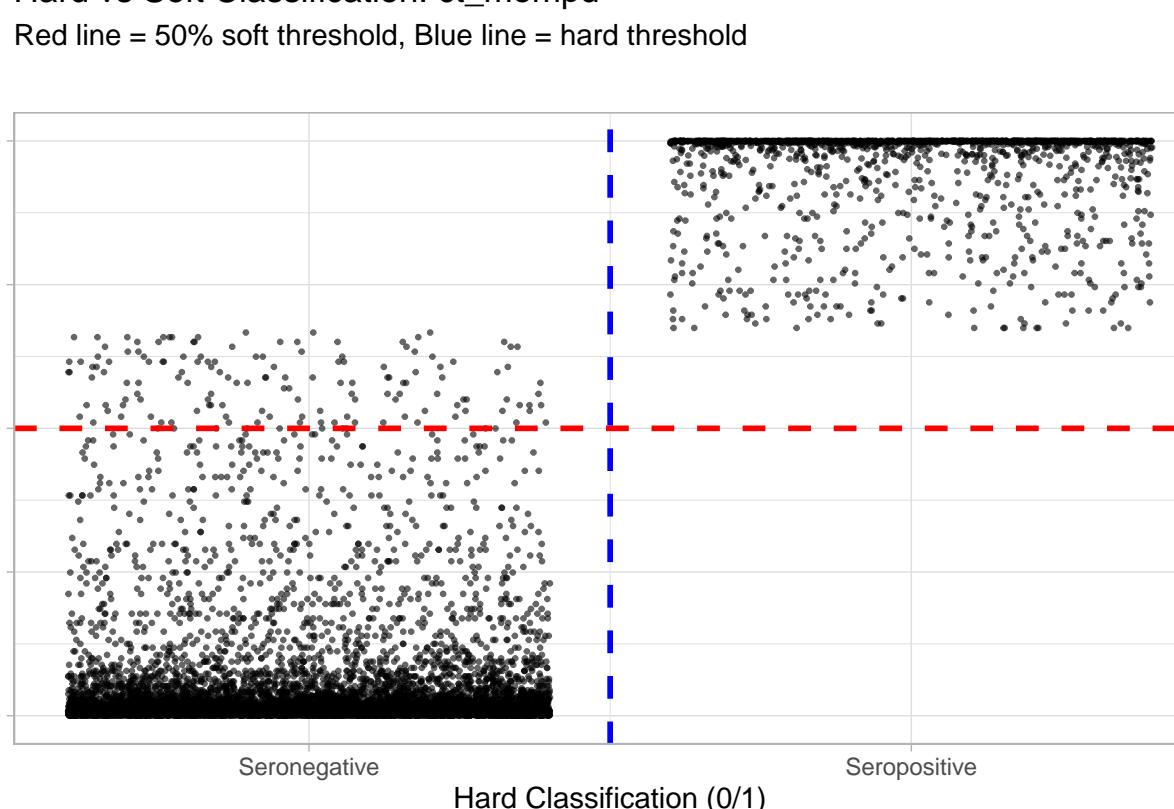
Distribution of Seropositive Probabilities: ct_mompd



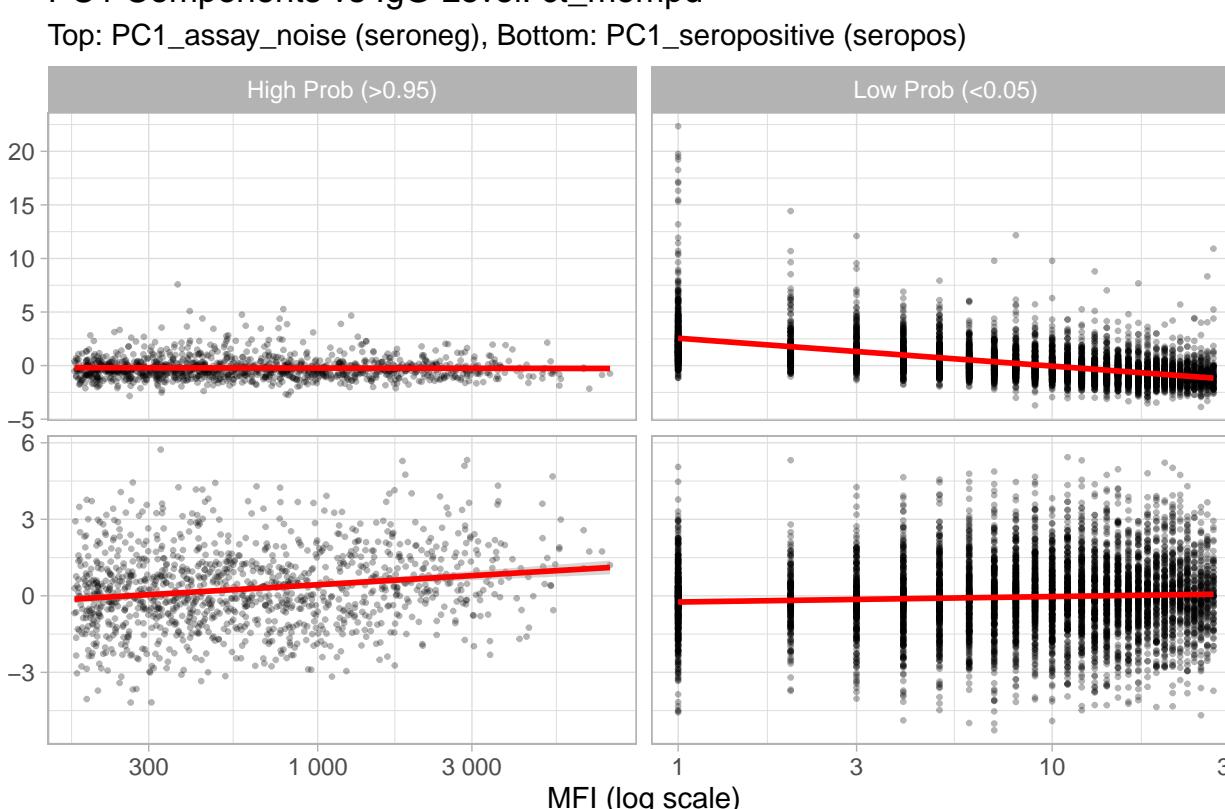
Classification



Hard vs Soft Classification: ct_mompd



PC1 Components vs IgG Level: ct_mompd



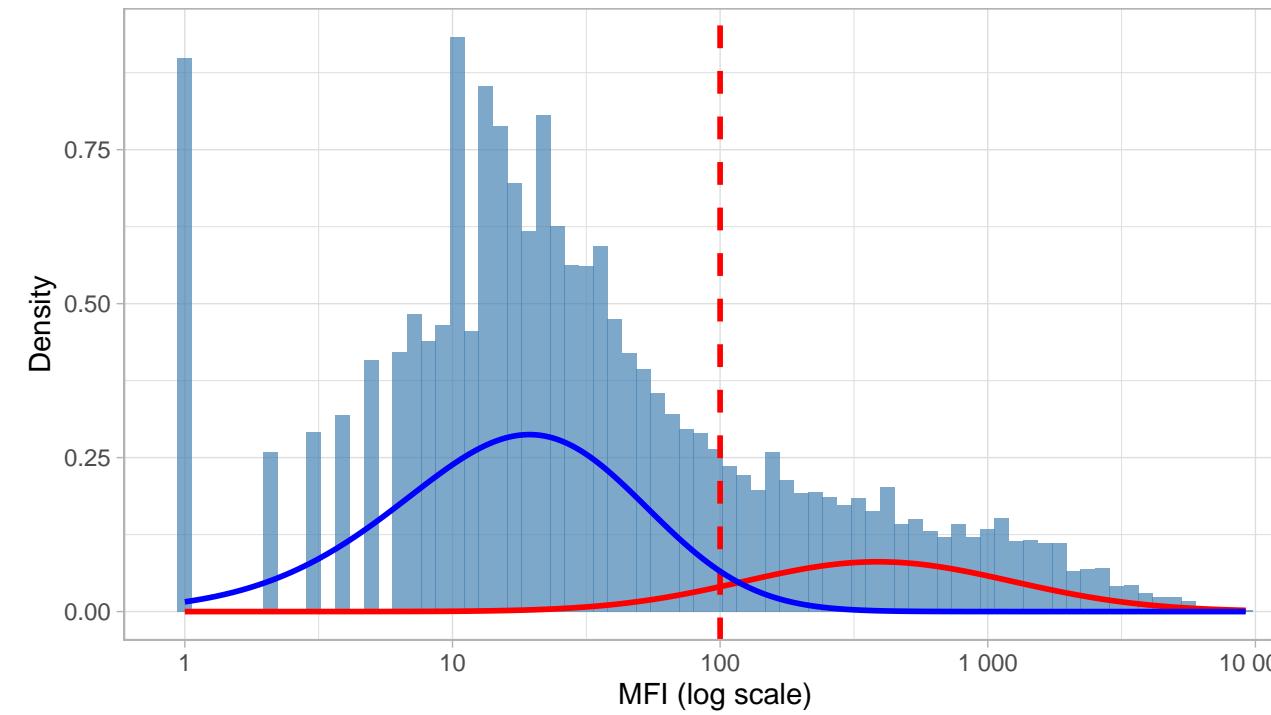
MFI (log scale)

Diagnostics: ct_tarpf2

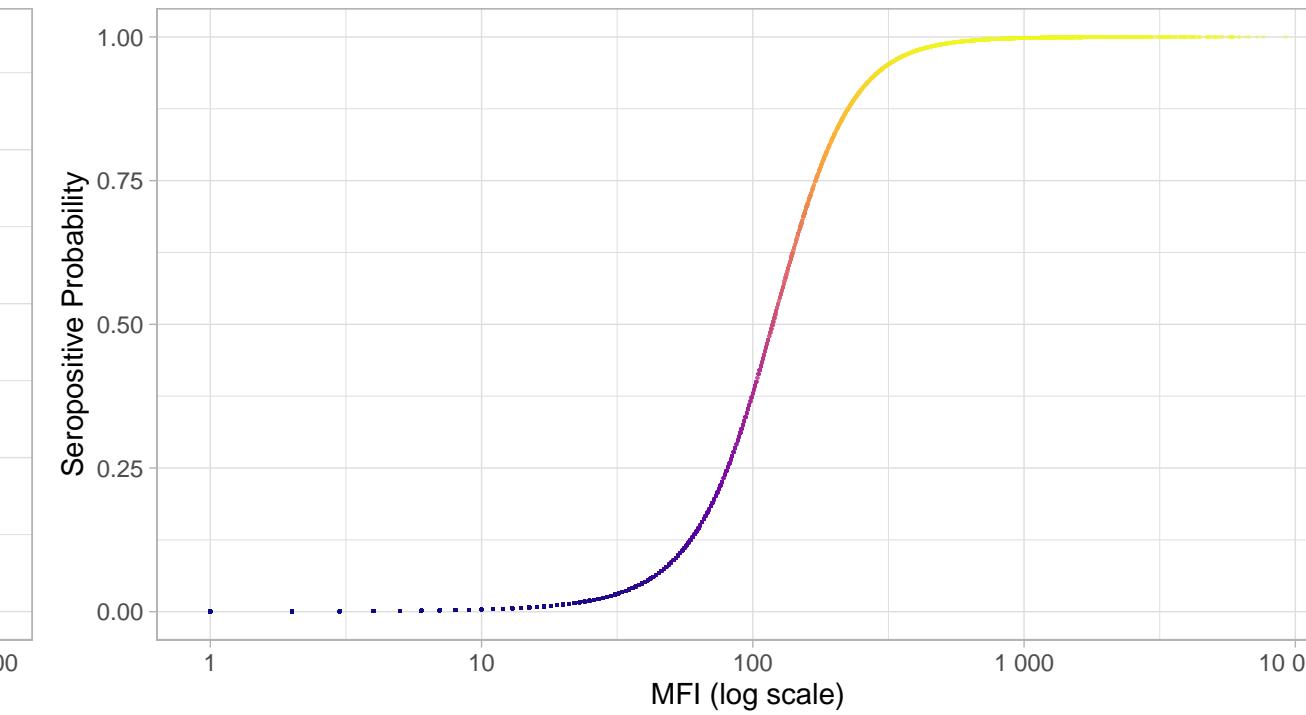
N=9424 | >0.95=1256 | <0.05=5857 | Ambig=2311

Original MFI Distribution: ct_tarpf2

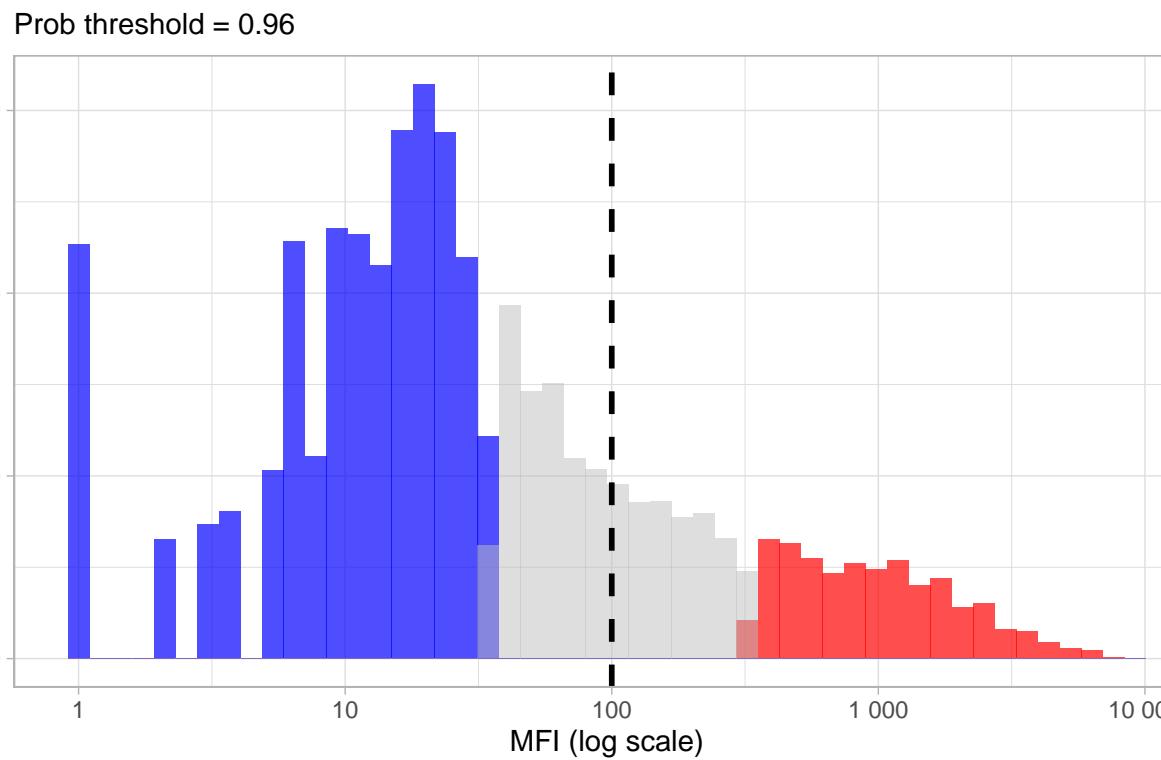
Hard cutoff threshold = 100



IgG vs Seropositive Probability: ct_tarpf2

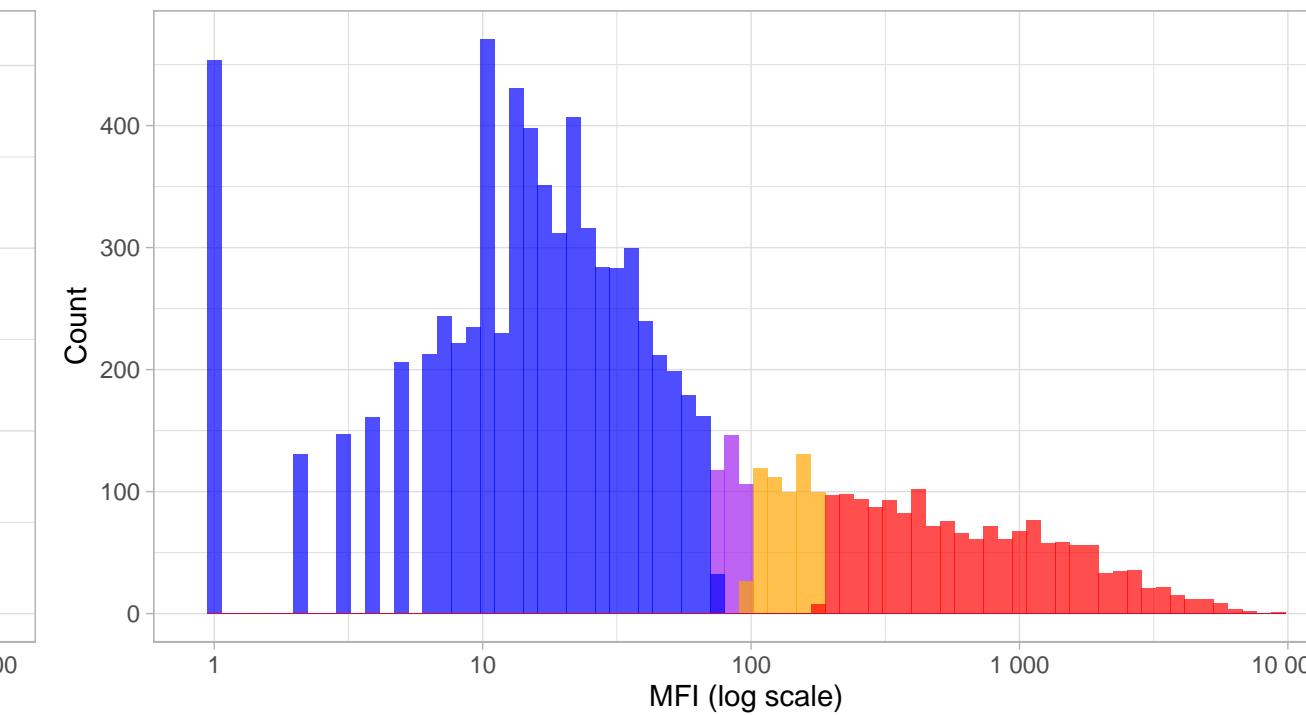


High-Confidence Seropositive Distribution: ct_tarpf2



Phenotype Distribution by Classification: ct_tarpf2

Comparing hard vs soft classifications



Seropositive Probability

0.75
0.50
0.25

Classification

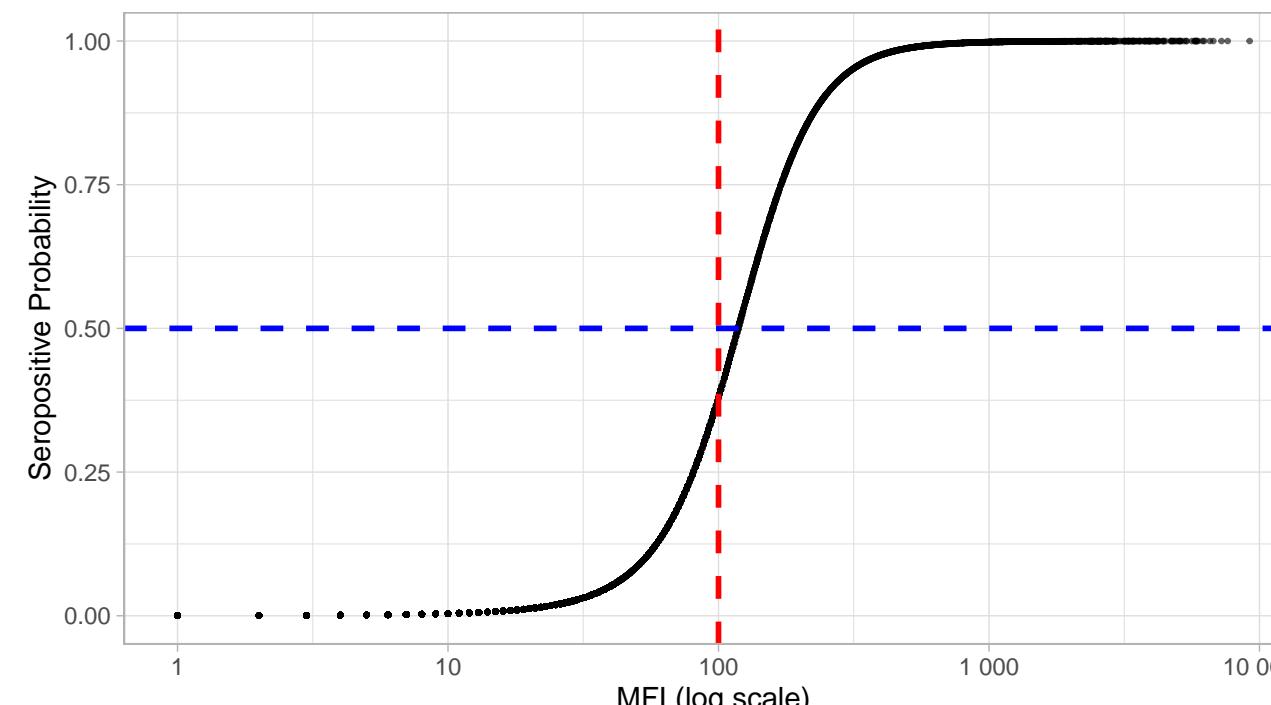
Ambiguous
High-conf Seronegative
High-conf Seropositive

Classification

Hard Negative, Soft High
Hard Positive, Soft Low
Hard+Soft Negative
Hard+Soft Positive

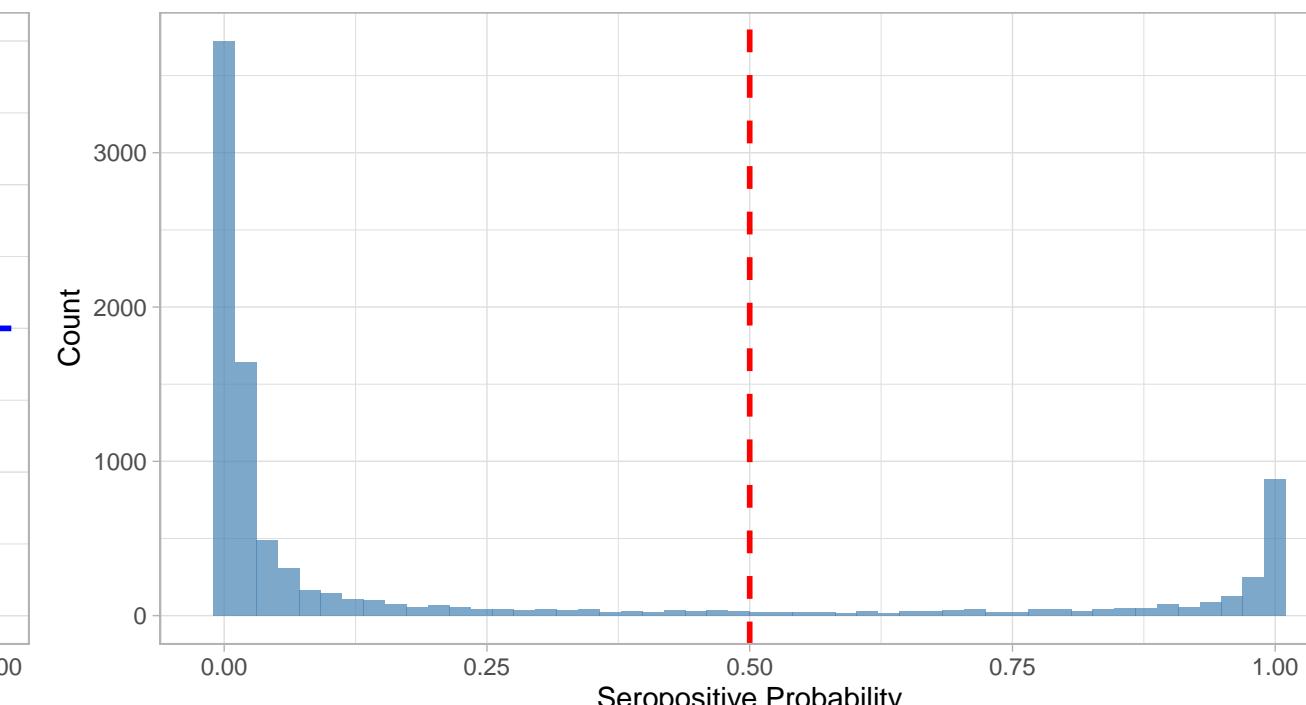
IgG Level vs Seropositive Probability: ct_tarpf2

Red line = hard threshold, Blue line = 50% probability



Distribution of Seropositive Probabilities: ct_tarpf2

Red line = 50% threshold

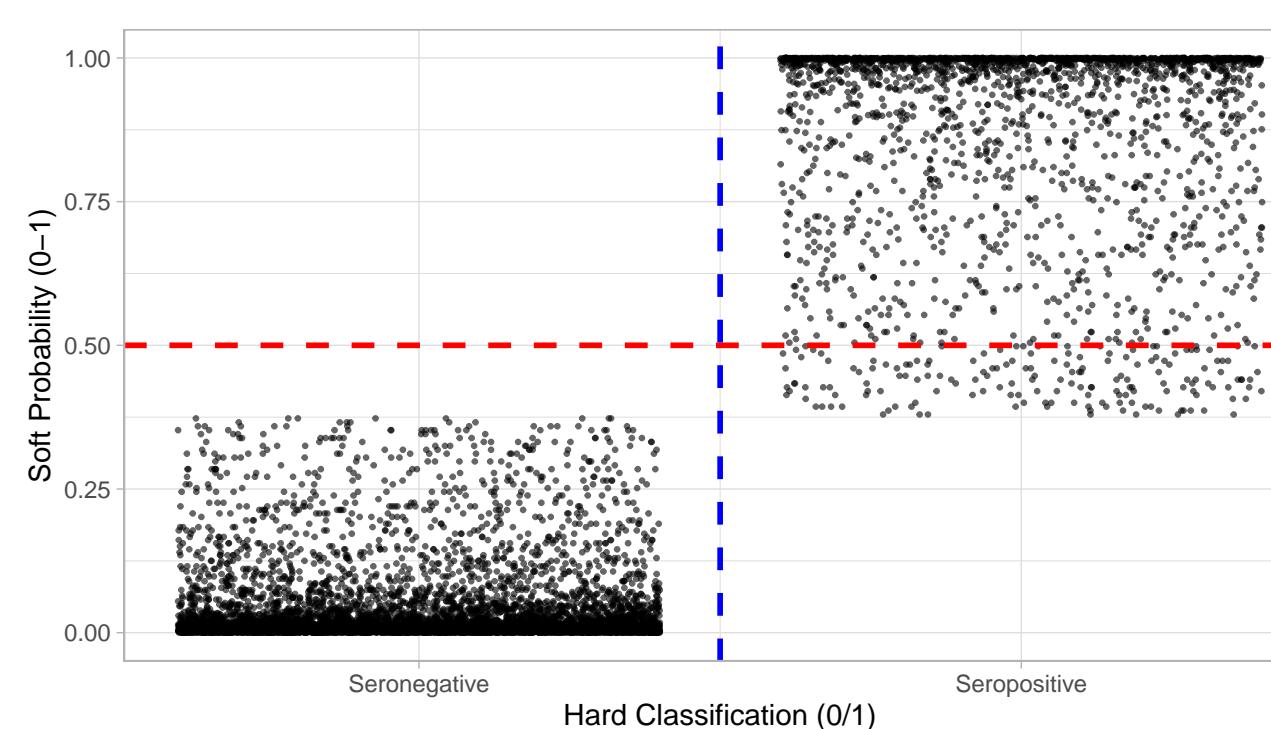


Classification

Ambiguous
High-conf Seronegative
High-conf Seropositive

Hard vs Soft Classification: ct_tarpf2

Red line = 50% soft threshold, Blue line = hard threshold



PC1 Components vs IgG Level: ct_tarpf2

Top: PC1_assay_noise (seroneg), Bottom: PC1_seropositive (seropos)

