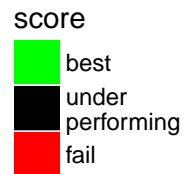
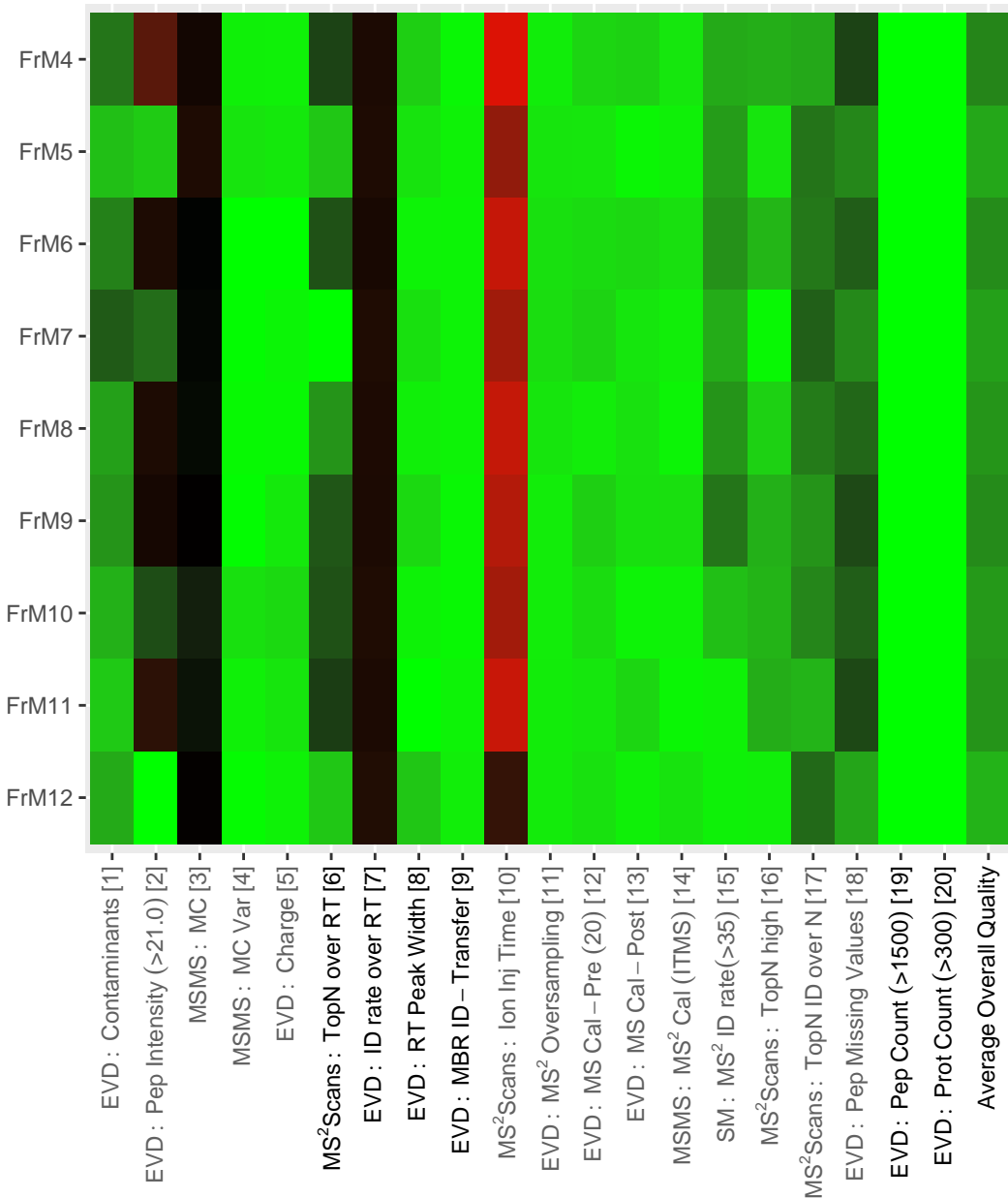


# Performance overview

Raw file



# Mapping of Raw files to their short names

## Mapping source: file (user-defined)

(automatic shortening of names was not sufficiently short – see 'best effort')

original	short name	best effort
FrM4_Rep-GFP	FrM4	4_Rep-GFP
FrM5_Rep-GFP_PCNA_FLAG	FrM5	5_PCNA_FLAG
FrM6_PCNA_FLAG_control	FrM6	6_control
FrM7_Rep-GFP	FrM7	7_Rep-GFP
FrM8_Rep-GFP_PCNA_FLAG	FrM8	8_PCNA_FLAG
FrM9_PCNA_FLAG_control	FrM9	9_control
FrM10_Rep-GFP	FrM10	10_Rep-GFP
FrM11_Rep-GFP_PCNA_FLAG	FrM11	11_PCNA_FLAG
FrM12_PCNA_FLAG_control	FrM12	12_control

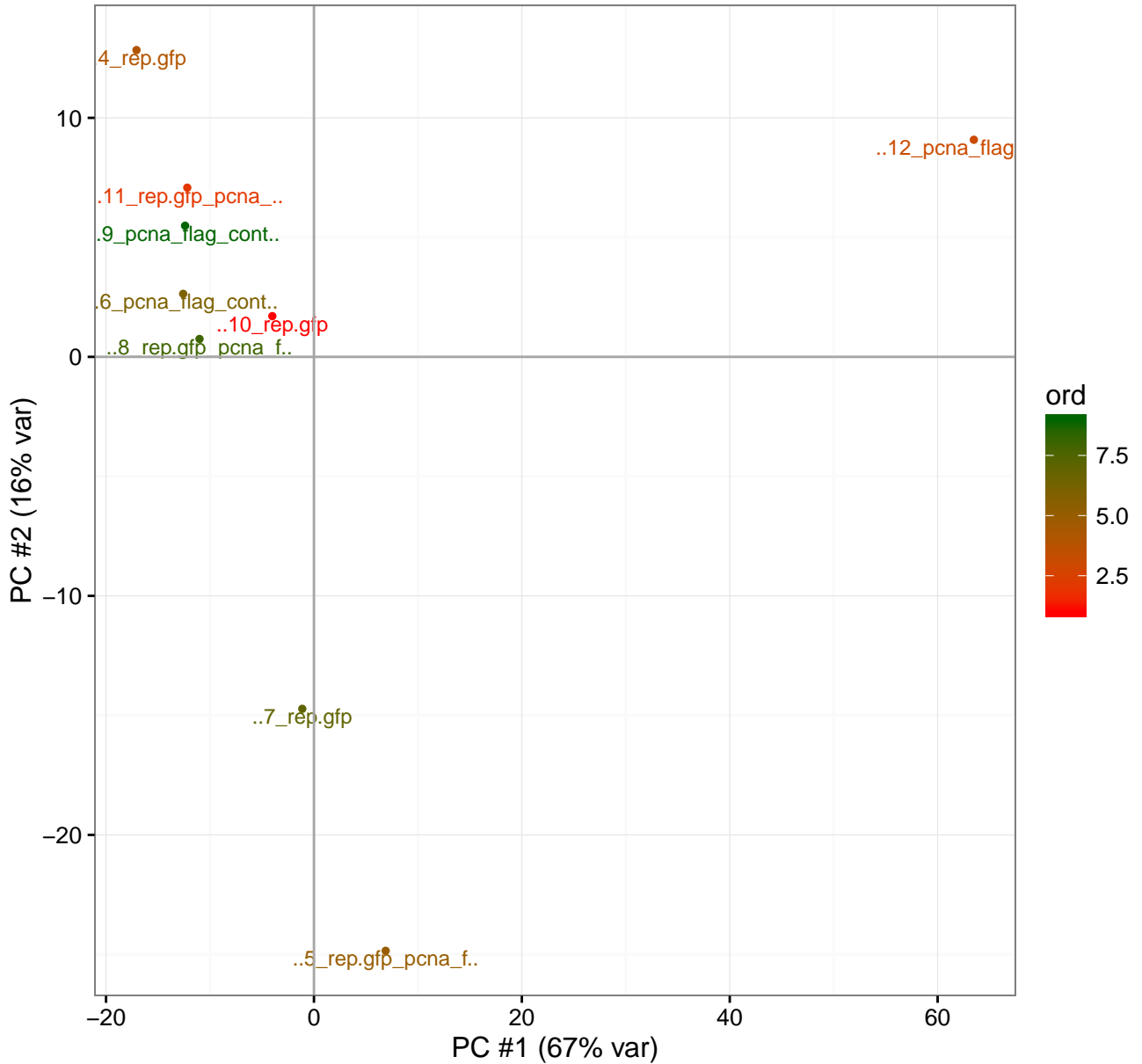
## PAR: parameters

parameter	value	parameter	value
Advanced ratios	True	Modifications included in pr..	Acetyl (Protein N-term) Deamidation (NQ) Oxidation (M)
Alignment time window [min]	20	MS/MS deisotoping (FTMS)	True
Date of writing	07/29/2016 11:53:45	MS/MS deisotoping (ITMS)	False
Decoy mode	revert	MS/MS deisotoping (TOF)	True
Dependent peptide FDR	0.01	MS/MS deisotoping (Unknown)	False
Discard unmodified counterpa..	True	MS/MS tol. (FTMS)	20 ppm
Find dependent peptides	True	MS/MS tol. (ITMS)	0.5 Da
First pass AIF correlation	0.8	MS/MS tol. (TOF)	40 ppm
Fixed modifications	Carbamidomethyl (C)	MS/MS tol. (Unknown)	0.5 Da
iBAQ	True	Peptides used for protein qu..	Razor
iBAQ log fit	True	Protein FDR	0.01
Include contaminants	True	PSM FDR	0.01
Labeled amino acid filtering	True	Re-quantify	False
Machine name	BICMAXQUANT2	RT shift	False
Mass bin size	0.0065	Site FDR	0.01
Match between runs	True	Site tables	Deamidation (NQ)Sites.txt Oxidation (M)Sites.txt
Matching time window [min]	0.7	Special AAs	KR
Min. delta score for modifie..	6	Top MS/MS peaks per 100 Da. ..	12
Min. delta score for unmodif..	0	Top MS/MS peaks per 100 Da. ..	8
Min. peptide Length	7	Top MS/MS peaks per 100 Da. ..	10
Min. peptides	1	Top MS/MS peaks per 100 Da. ..	8
Min. ratio count	2	Use delta score	False
Min. razor peptides	1	Use Normalized Ratios For Oc..	True
Min. score for modified pept..	40	Use only unmodified peptides..	True
Min. score for unmodified pe..	0	User name	LCMS
Min. unique peptides	0	Version	1.5.2.8

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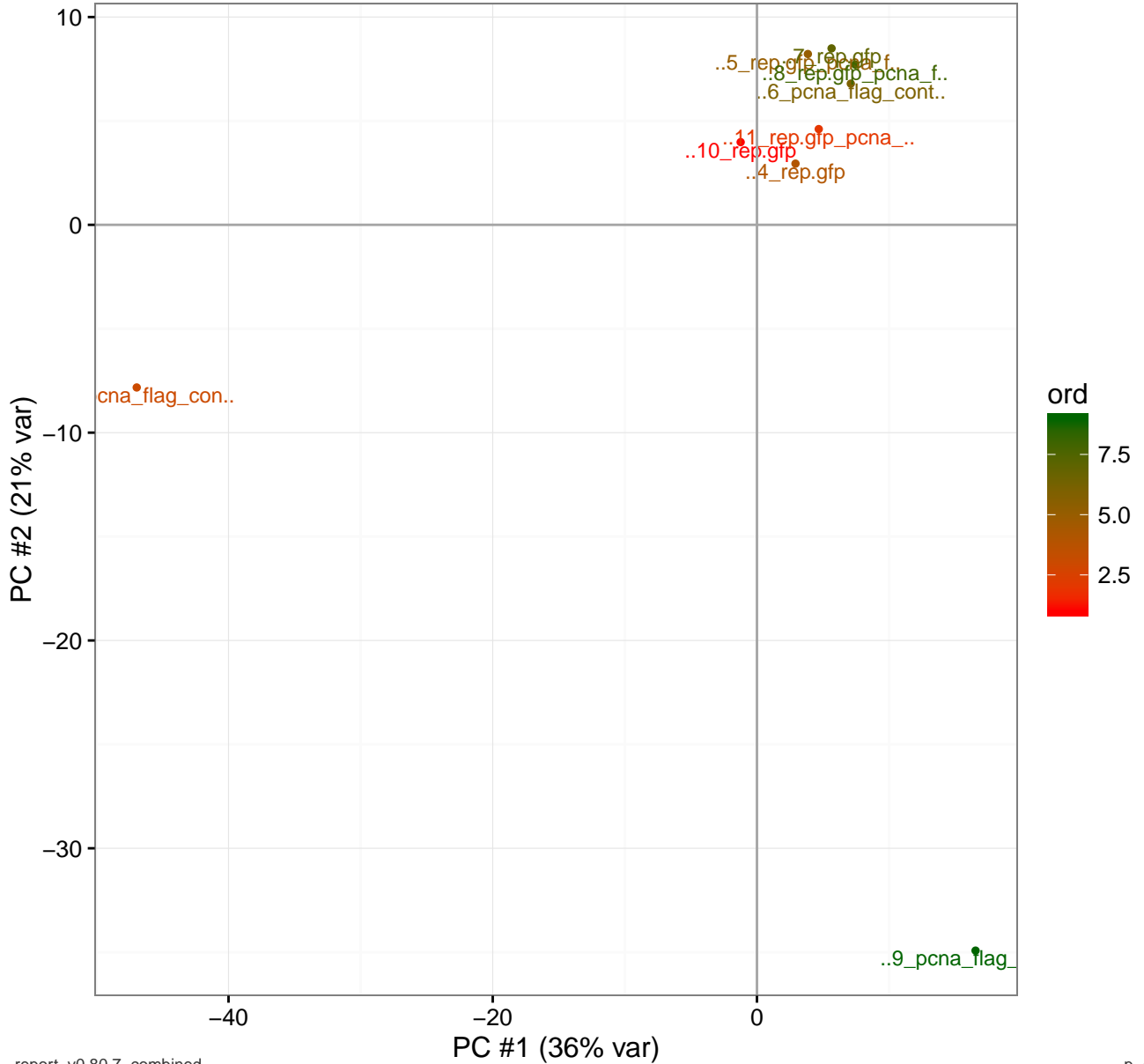
# PG: PCA of 'raw intensity'

(excludes contaminants)

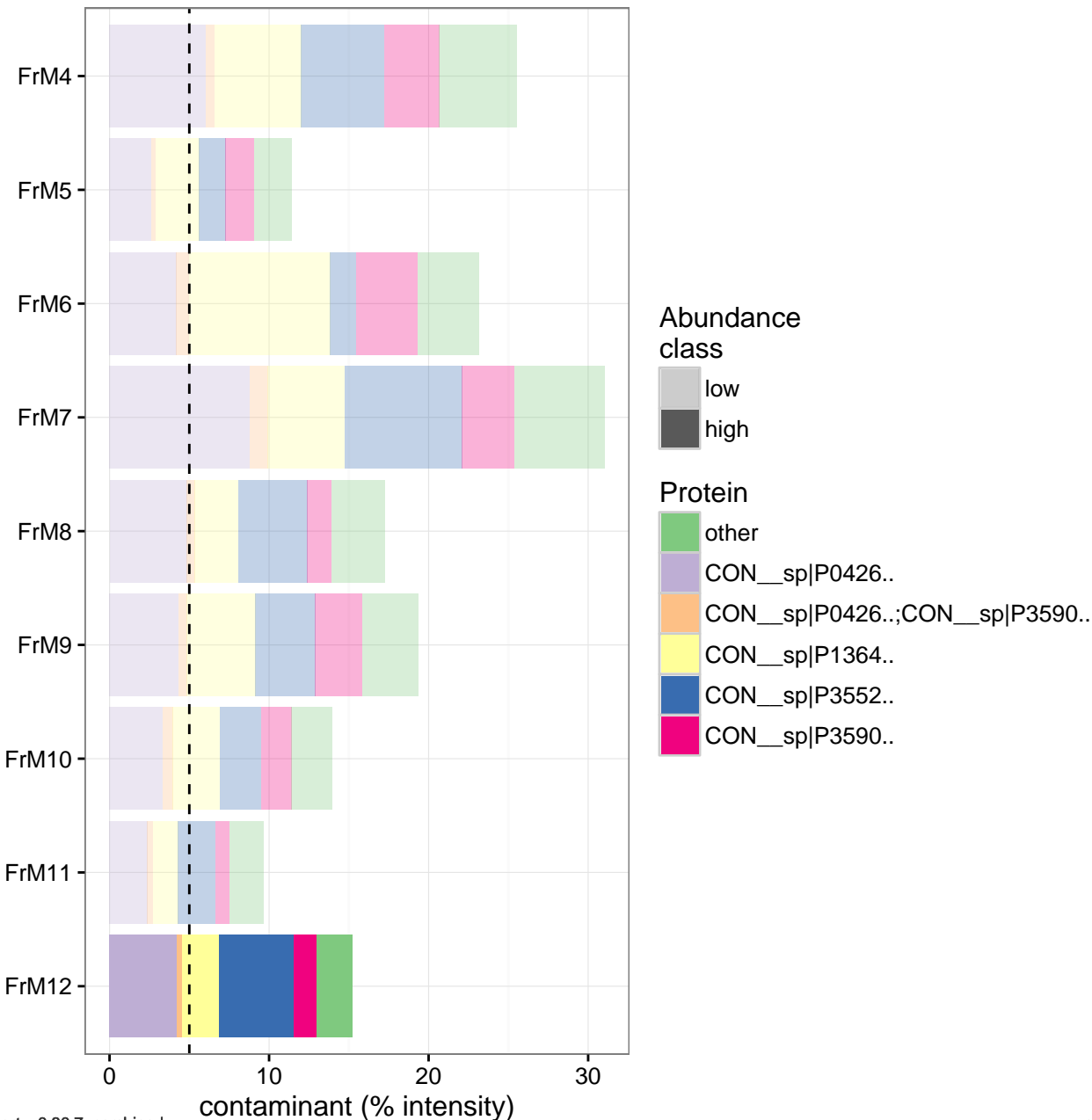


# PG: PCA of 'lfq intensity'

(excludes contaminants)

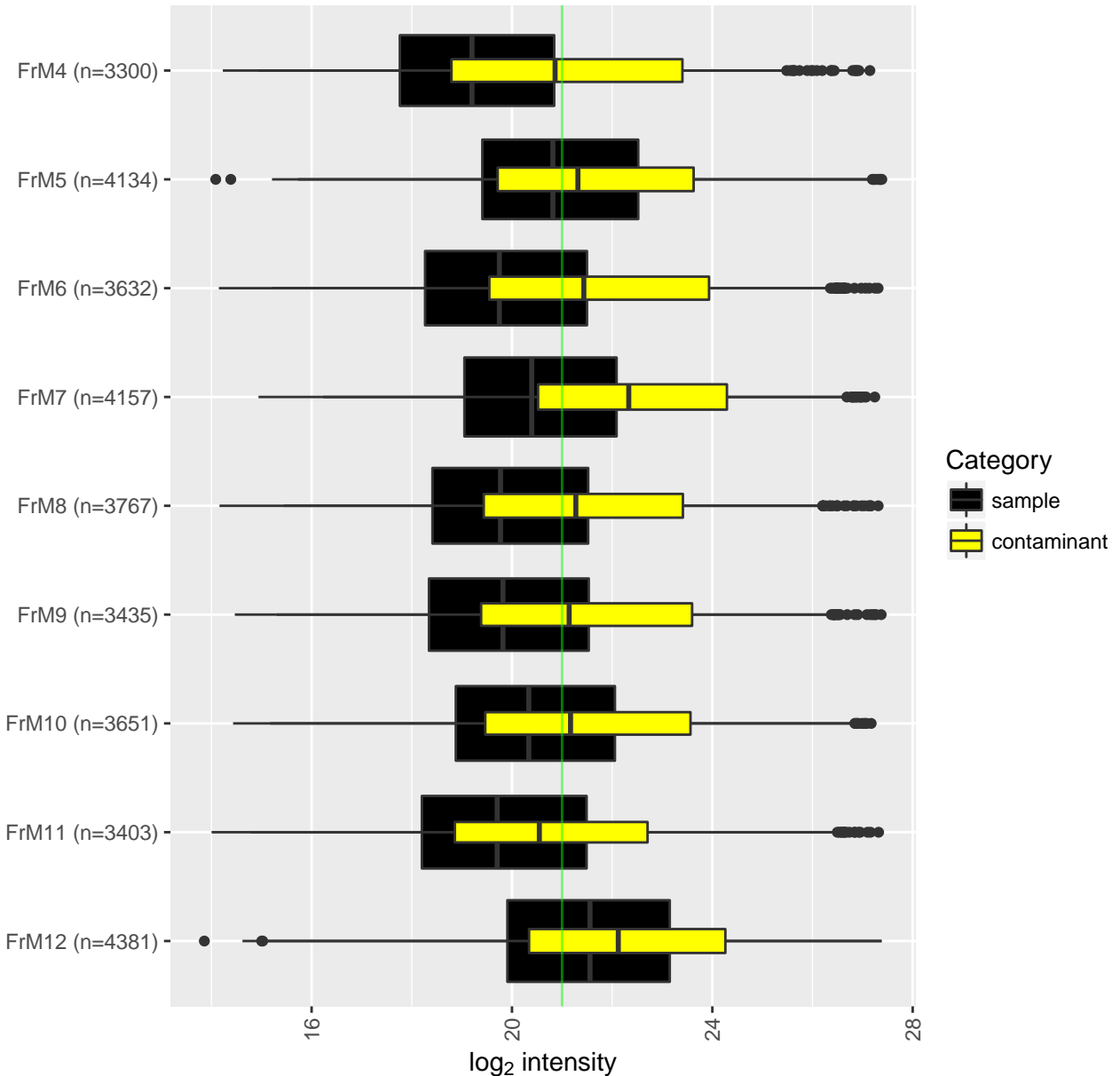


# EVD: Top5 Contaminants per Raw file



# EVD: peptide intensity distribution

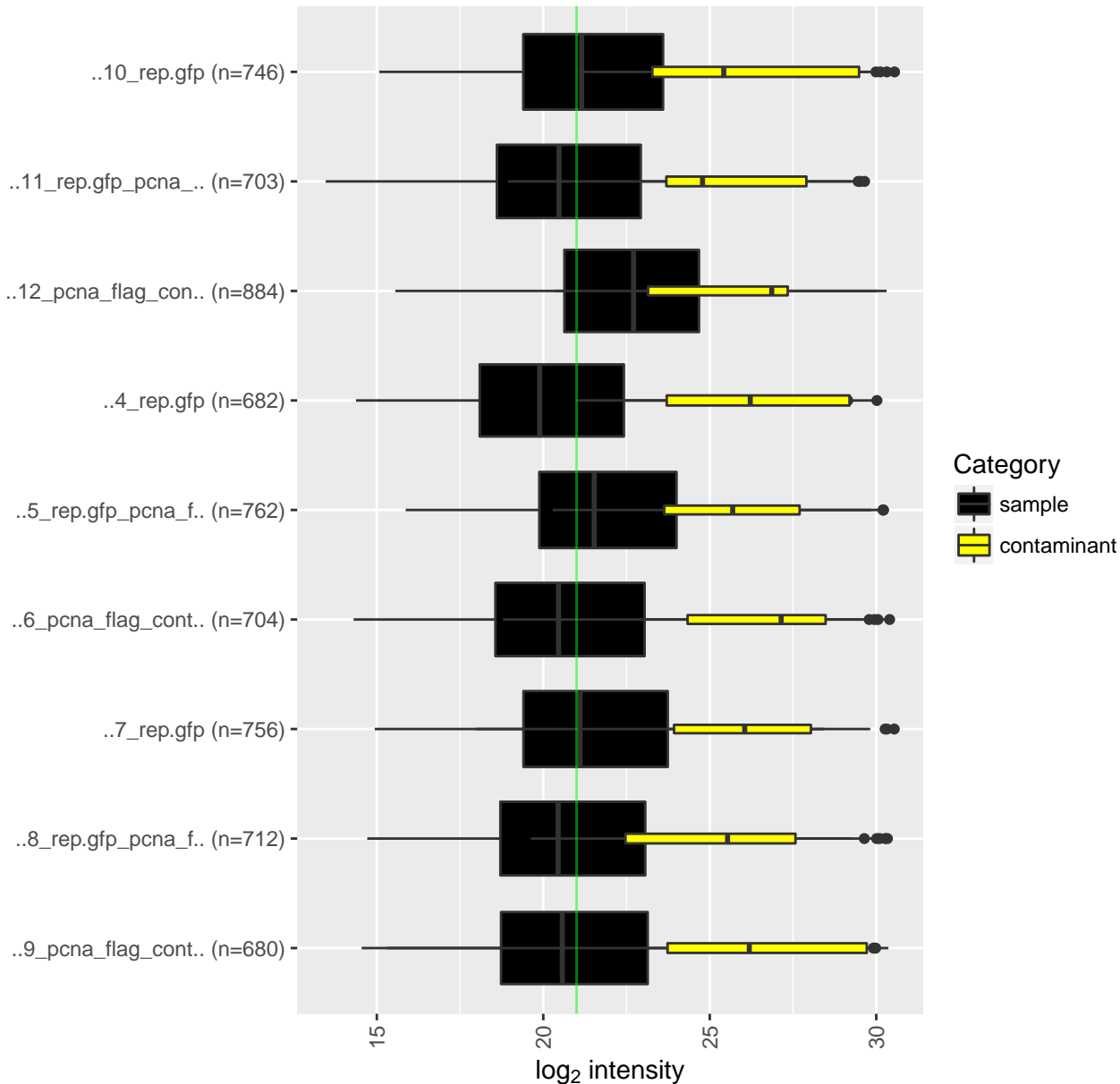
RSD 3.4% (expected < 5%)



# PG: intensity distribution

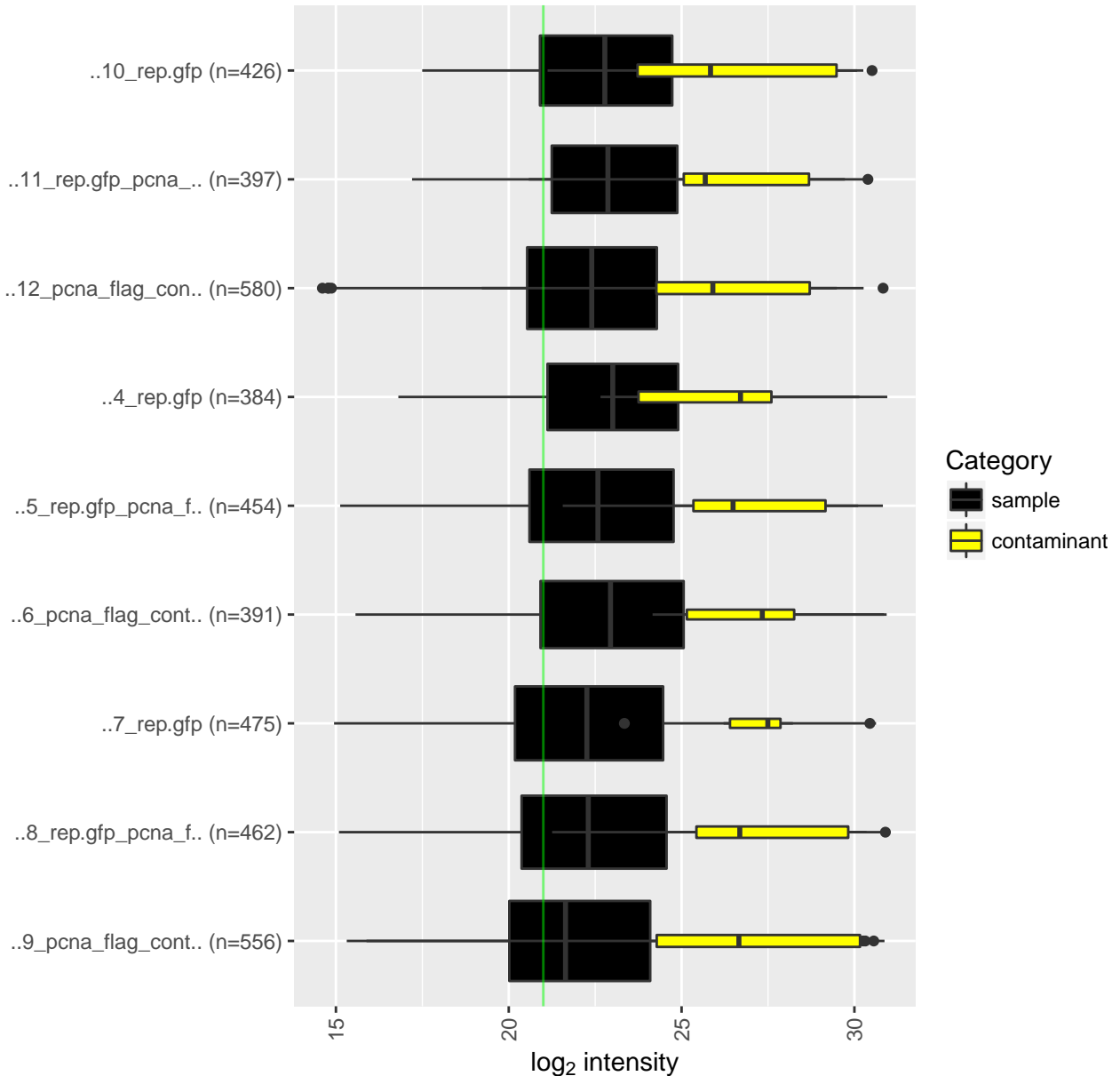
RSD 3.9% (w/o zero int.; expected < 5%)

RSD 6.1% [high RSD --> few peptides]



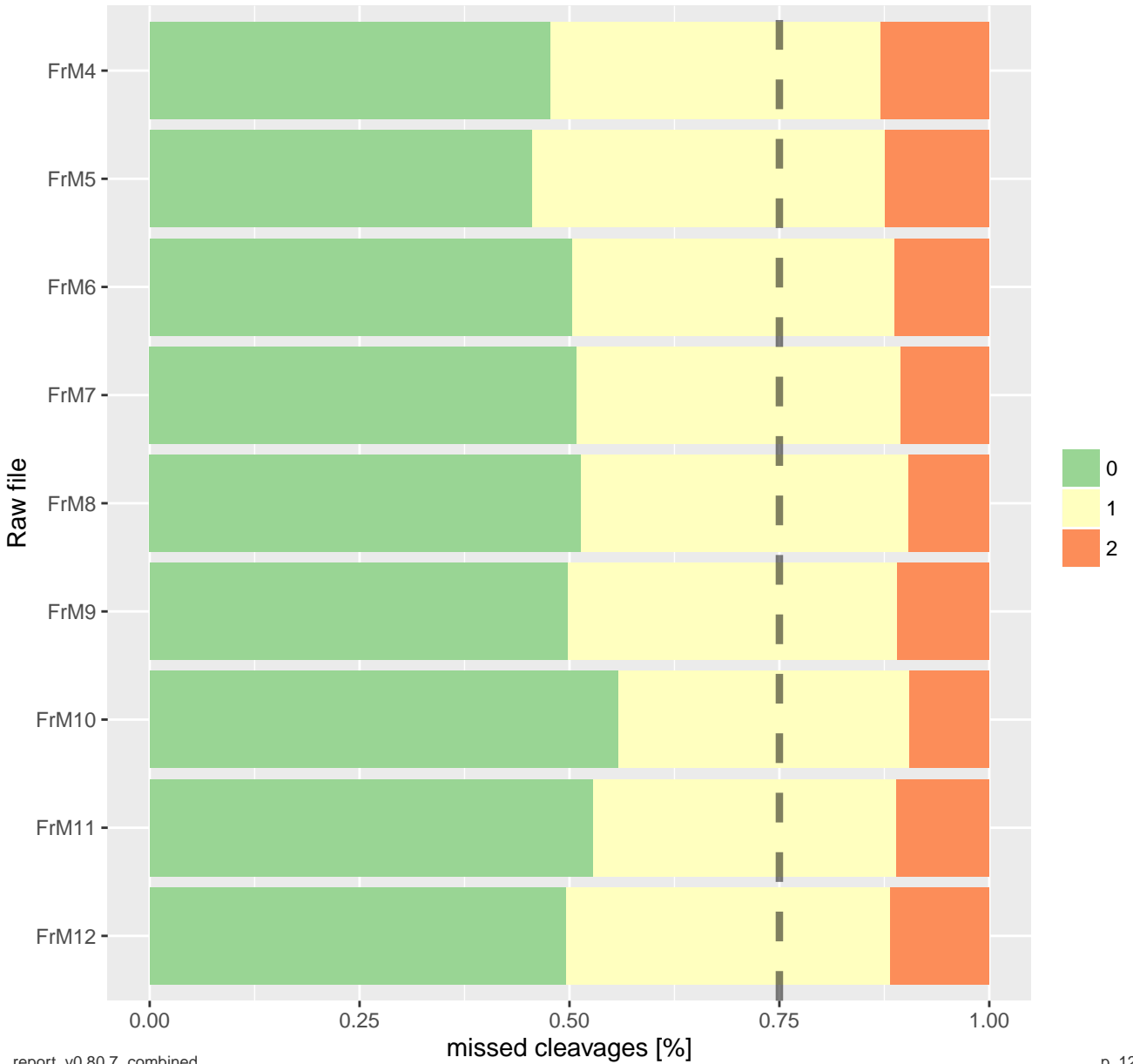


PG: LFG intensity distribution  
 RSD 1.9% (w/o zero int.; expected < 5%)  
 RSD 198.5% [high RSD --> few peptides]

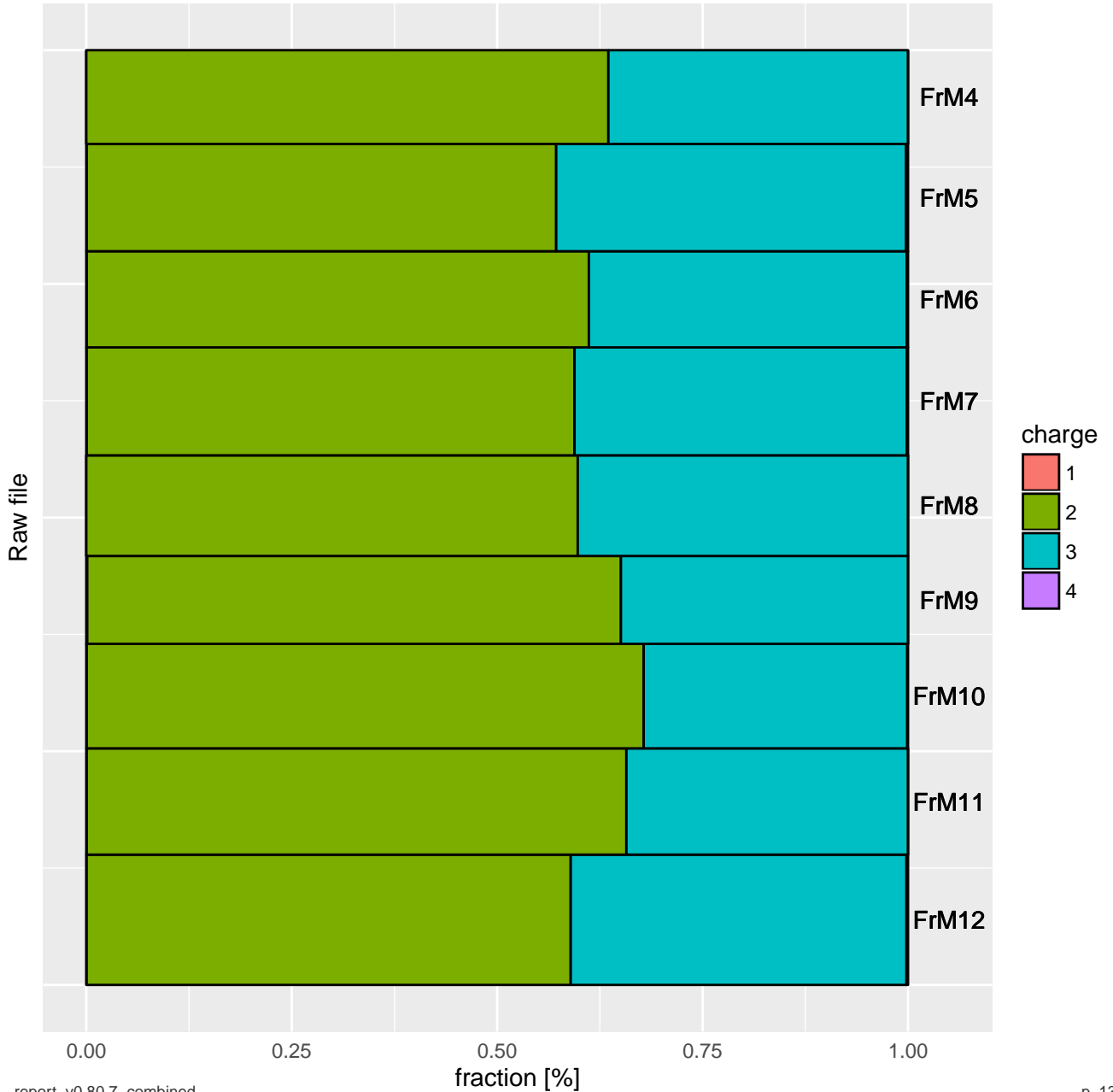


# MSMS: Missed cleavages per Raw file

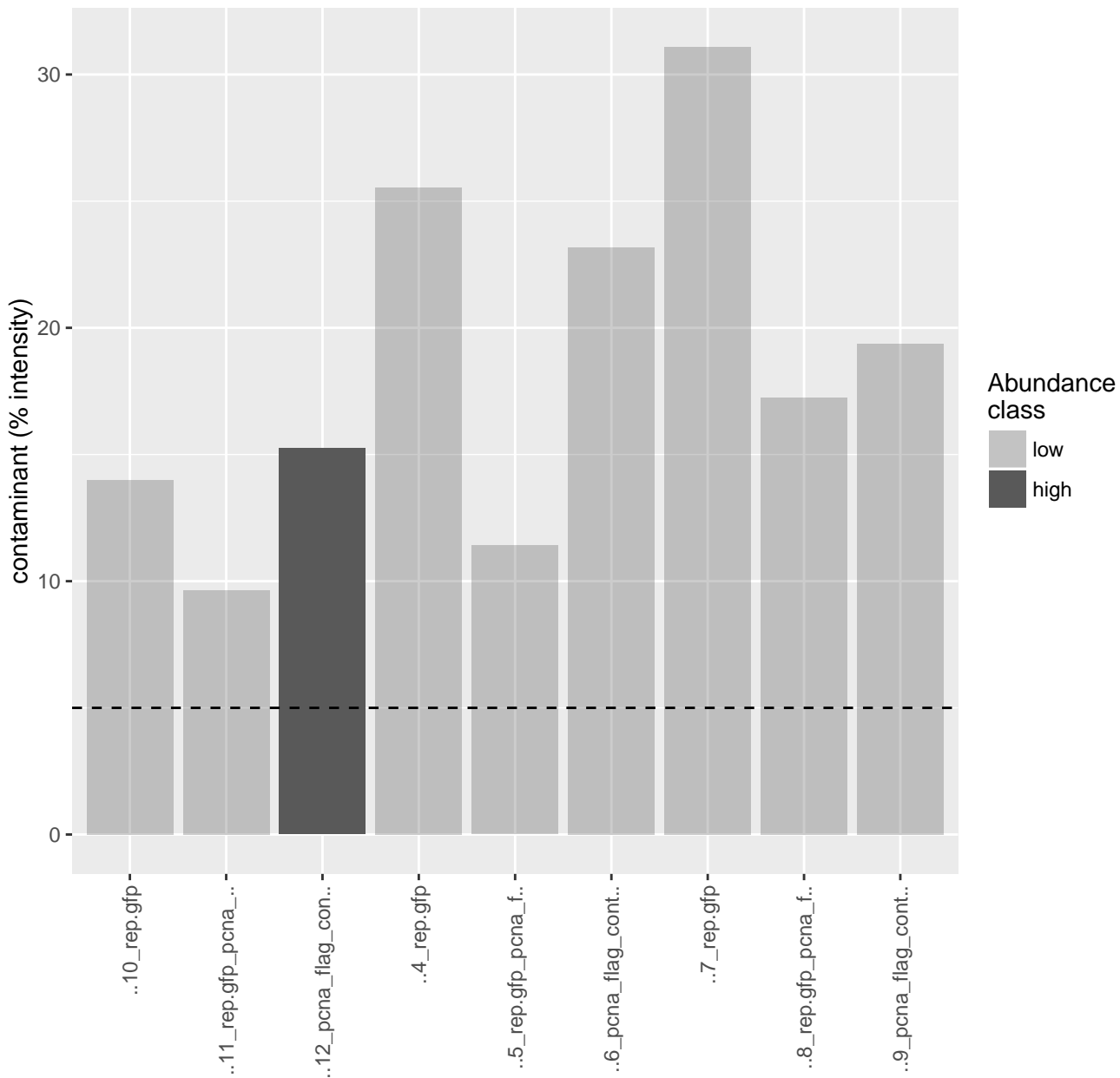
(excludes contaminants)



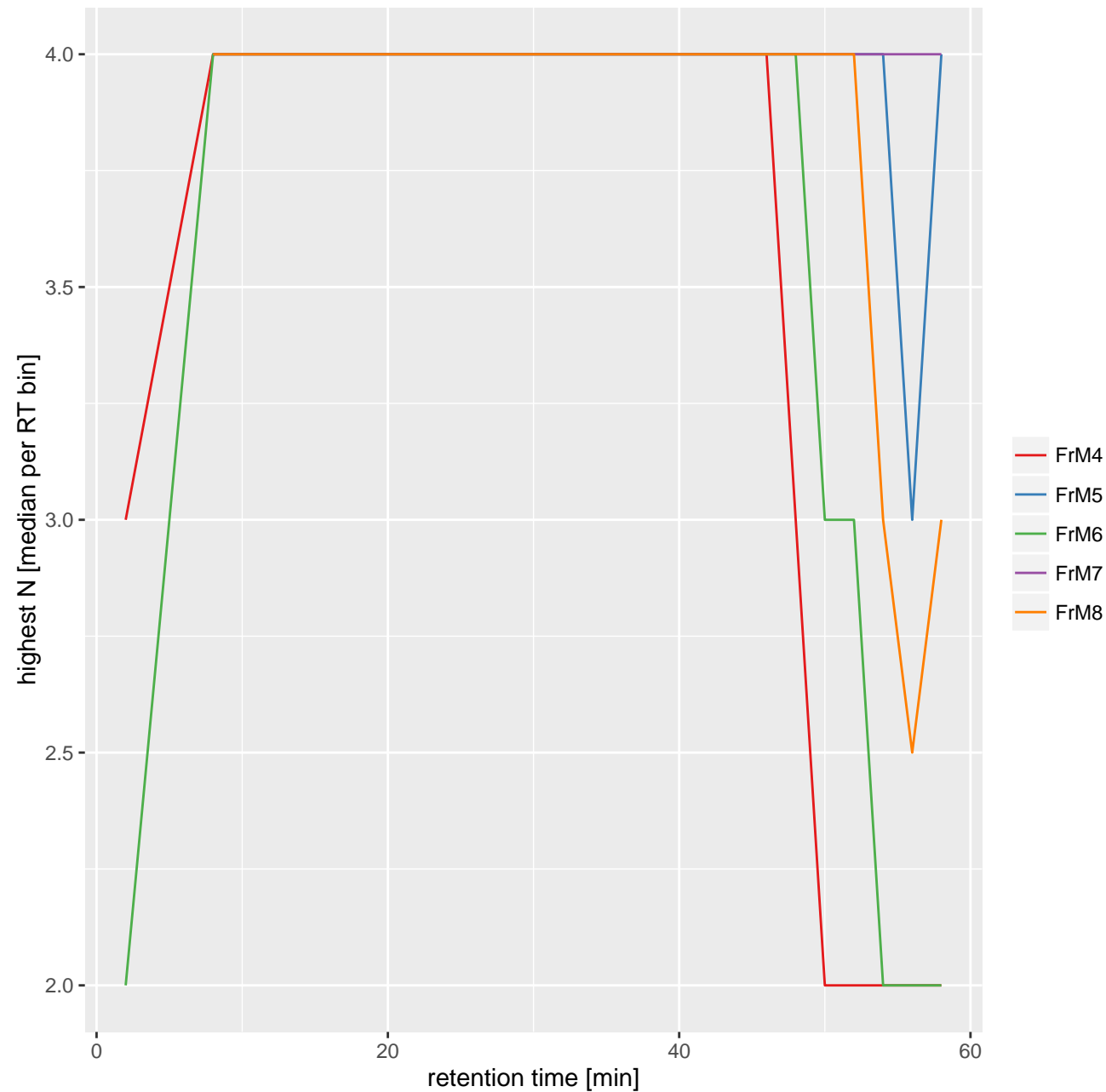
# EVD: charge distribution



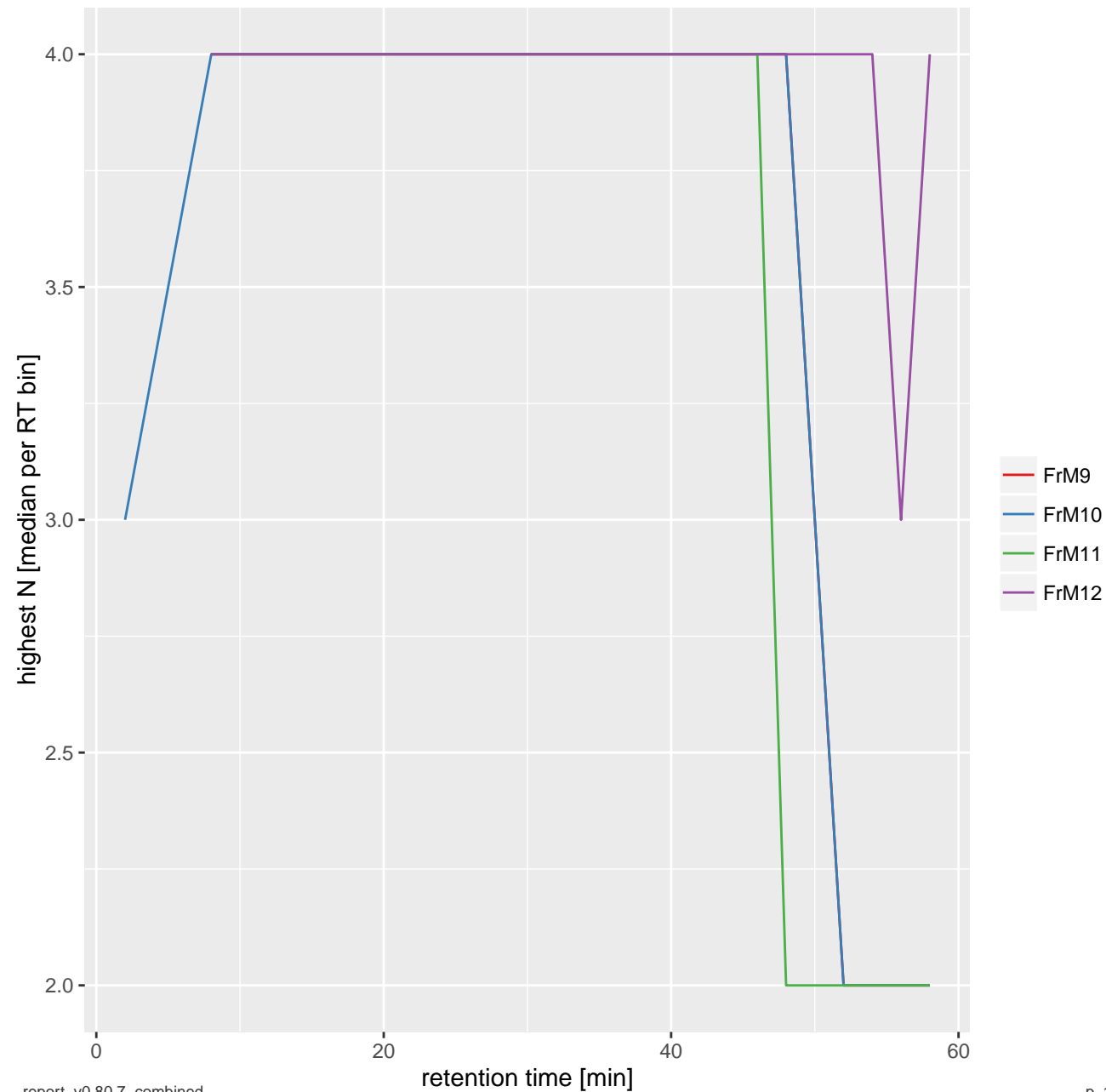
# PG: Contaminant per condition



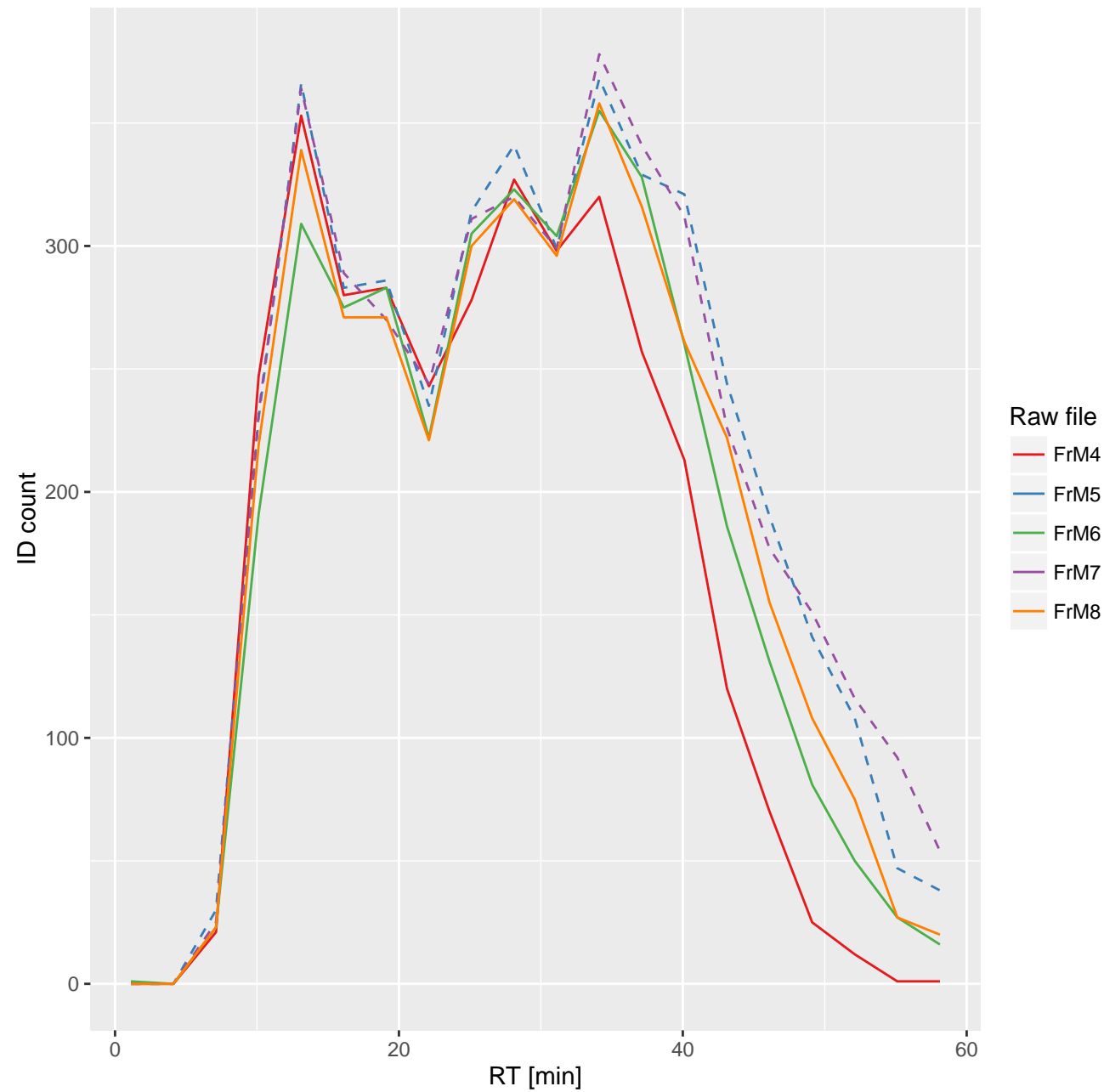
# MSMSscans: TopN over RT



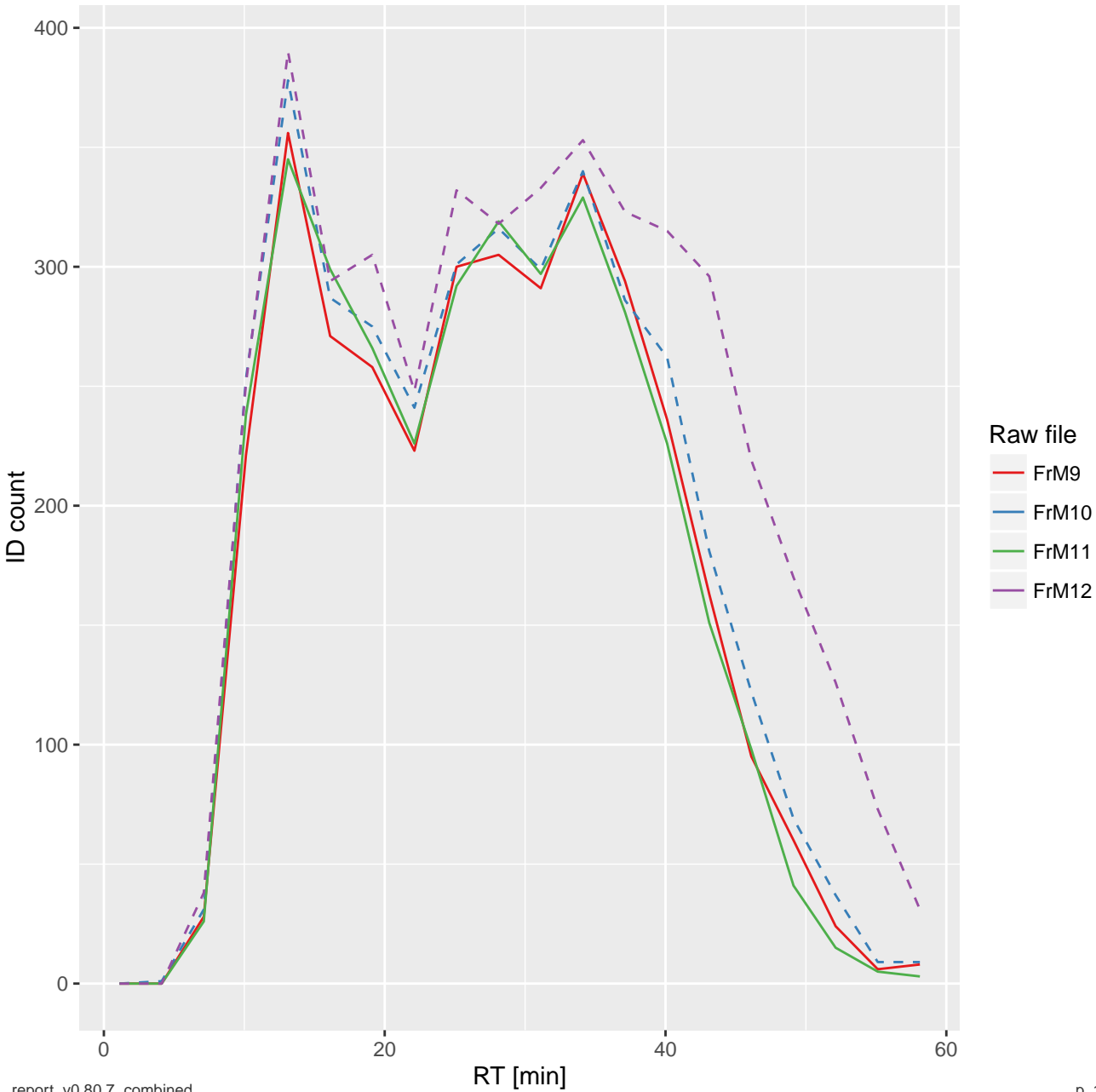
# MSMSScans: TopN over RT



EVD: IDs over RT

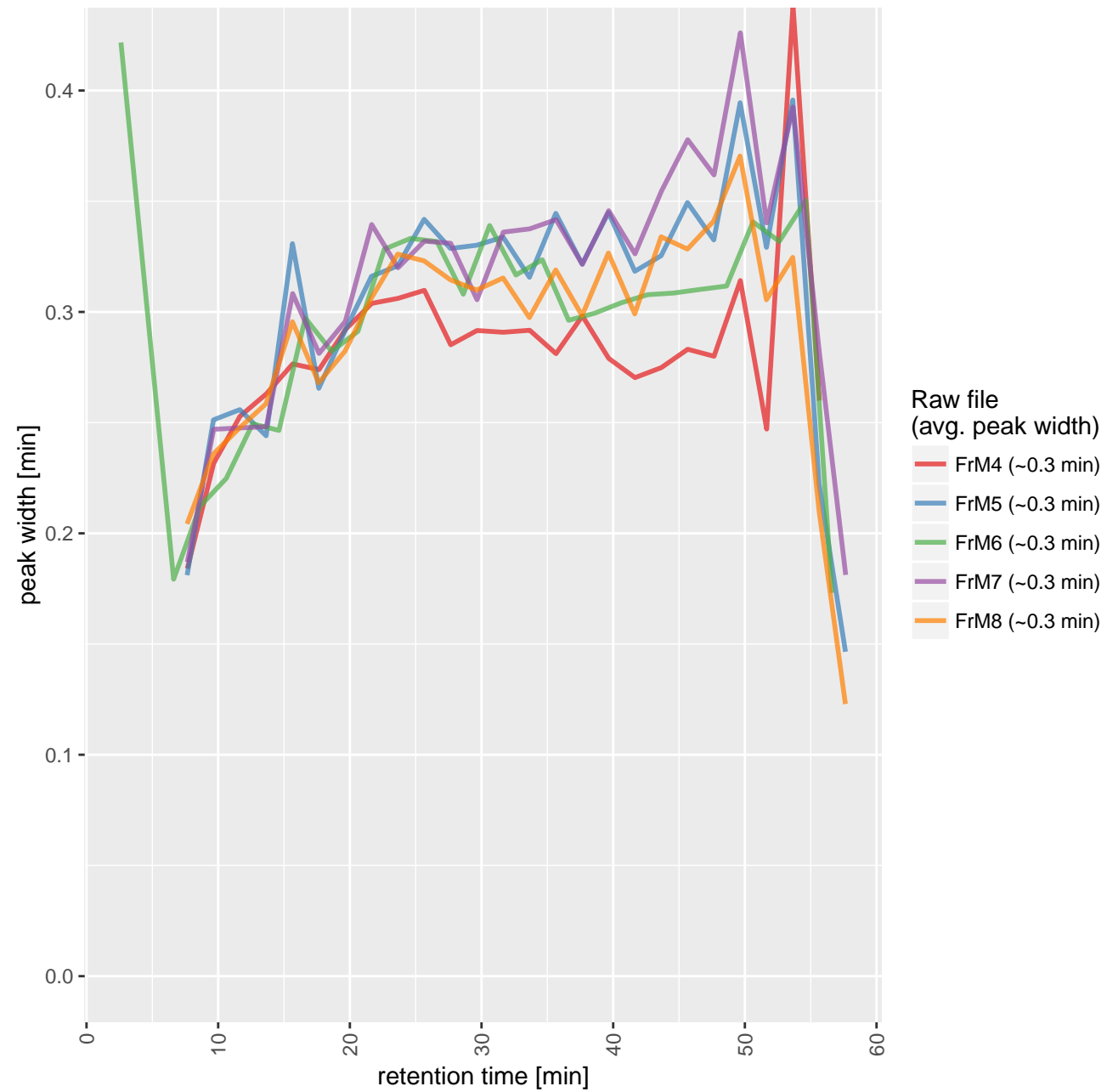


# EVD: IDs over RT

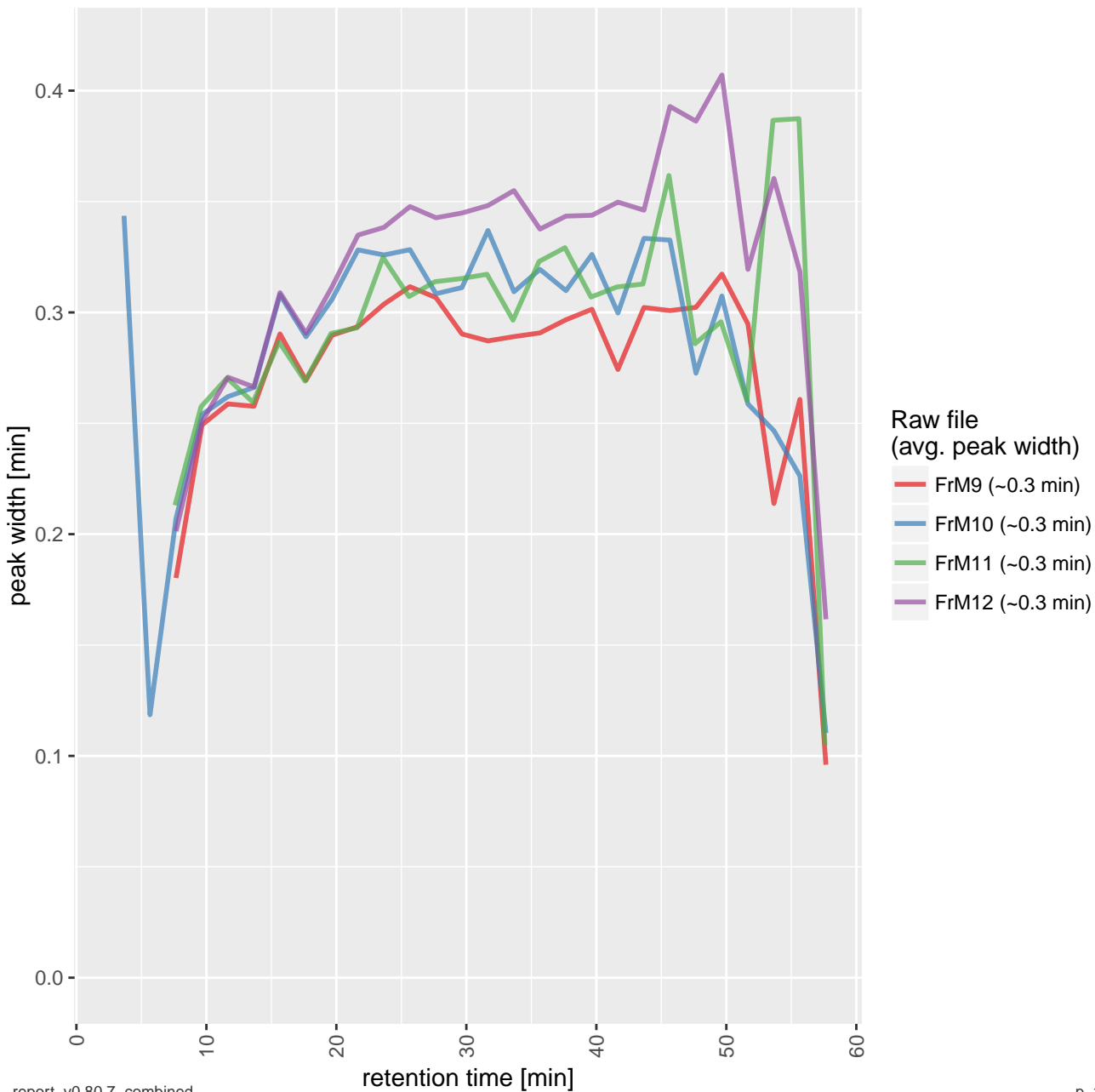




EVD: Peak width over RT



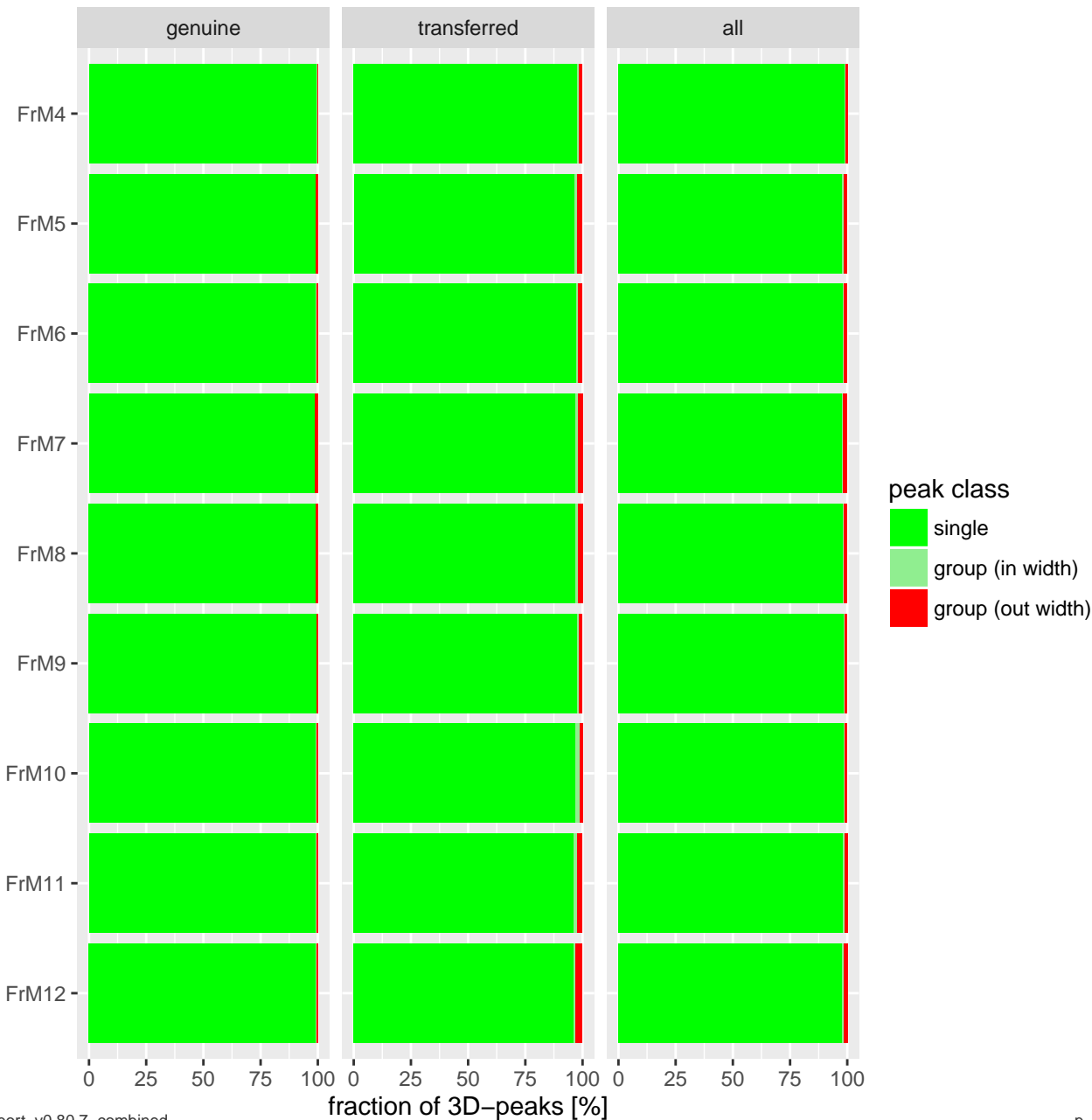
# EVD: Peak width over RT



## EVD: Alignment check

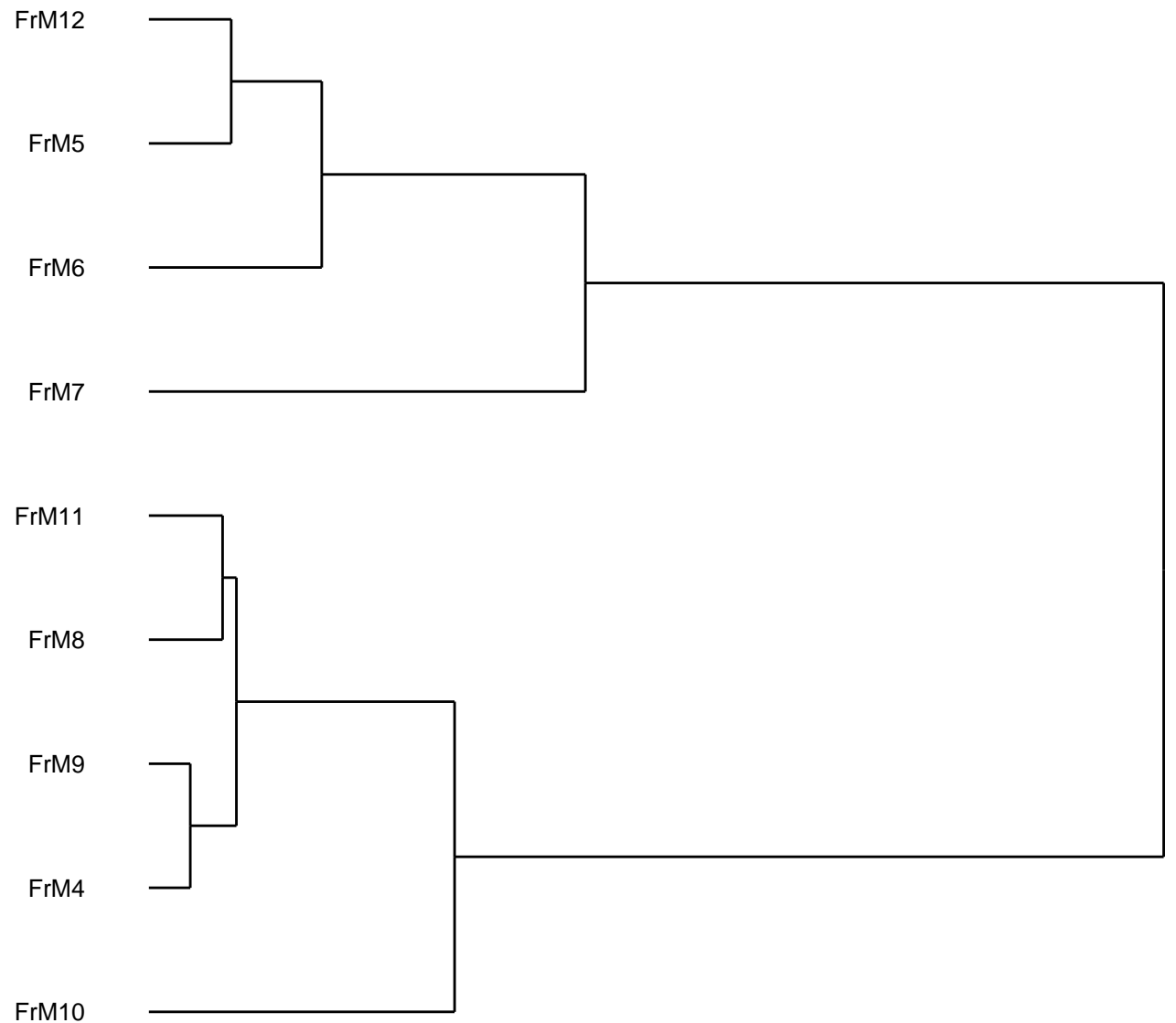
and a unique reference Raw file (files: FrM10\_Rep-GFP, FrM6\_PCNA\_FLAG

# EVD: MBR – ID Transfer

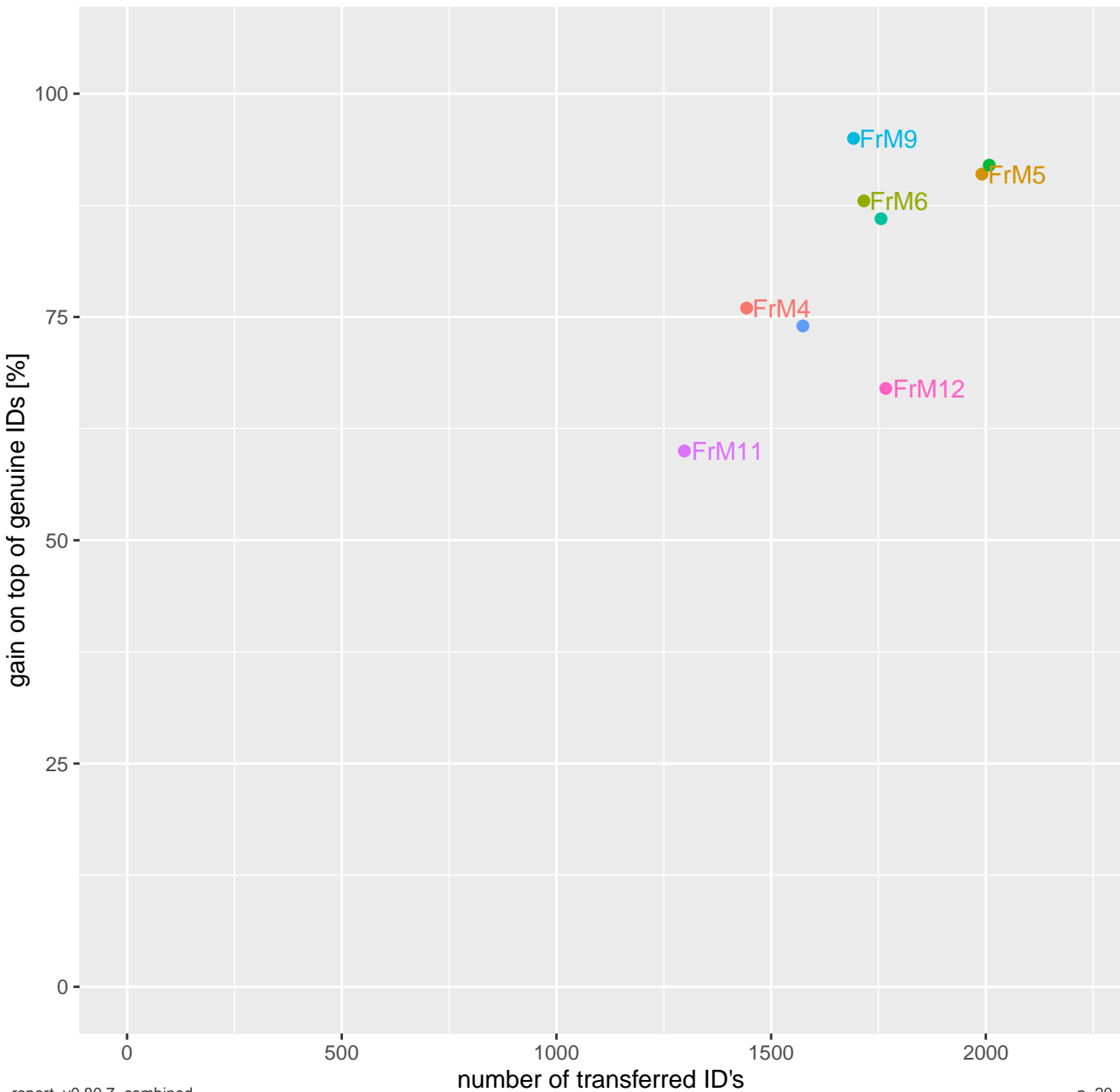


# [experimental] EVD: Clustering Tree of Raw files

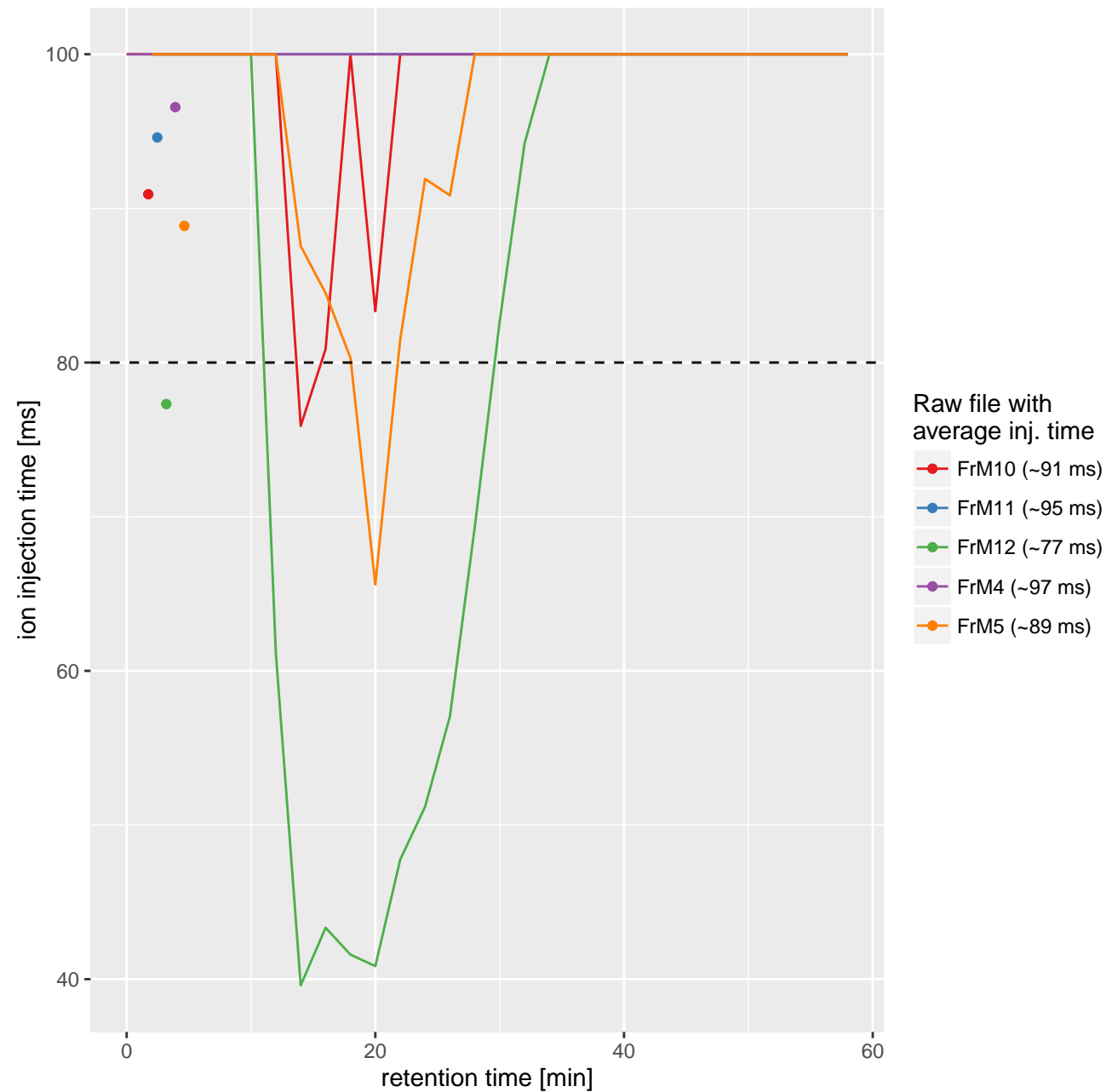
by Correlation of Corrected Retention Times



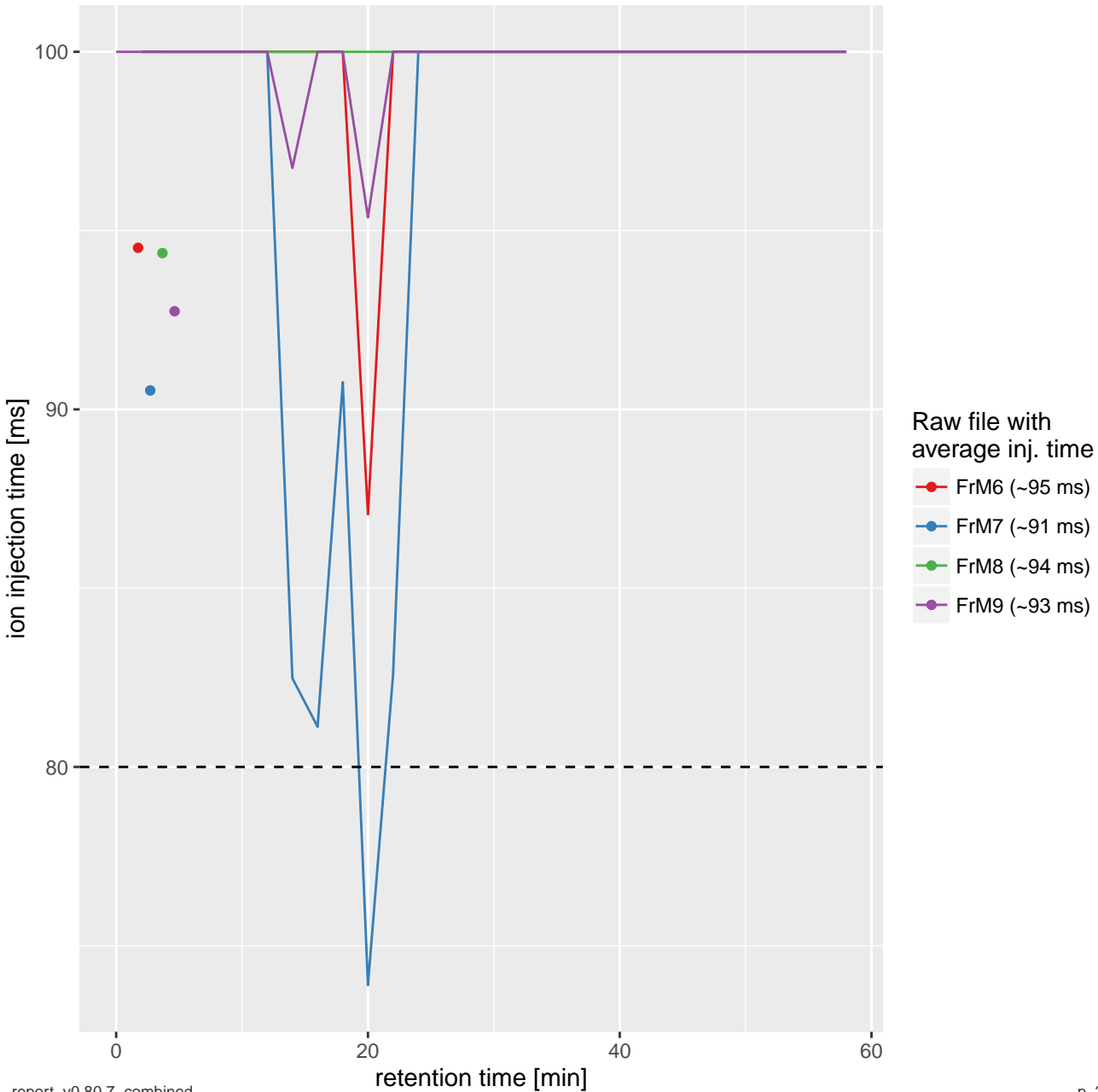
# EVD: Peptides inferred by MBR



# MSMSscans: Ion Injection Time over RT

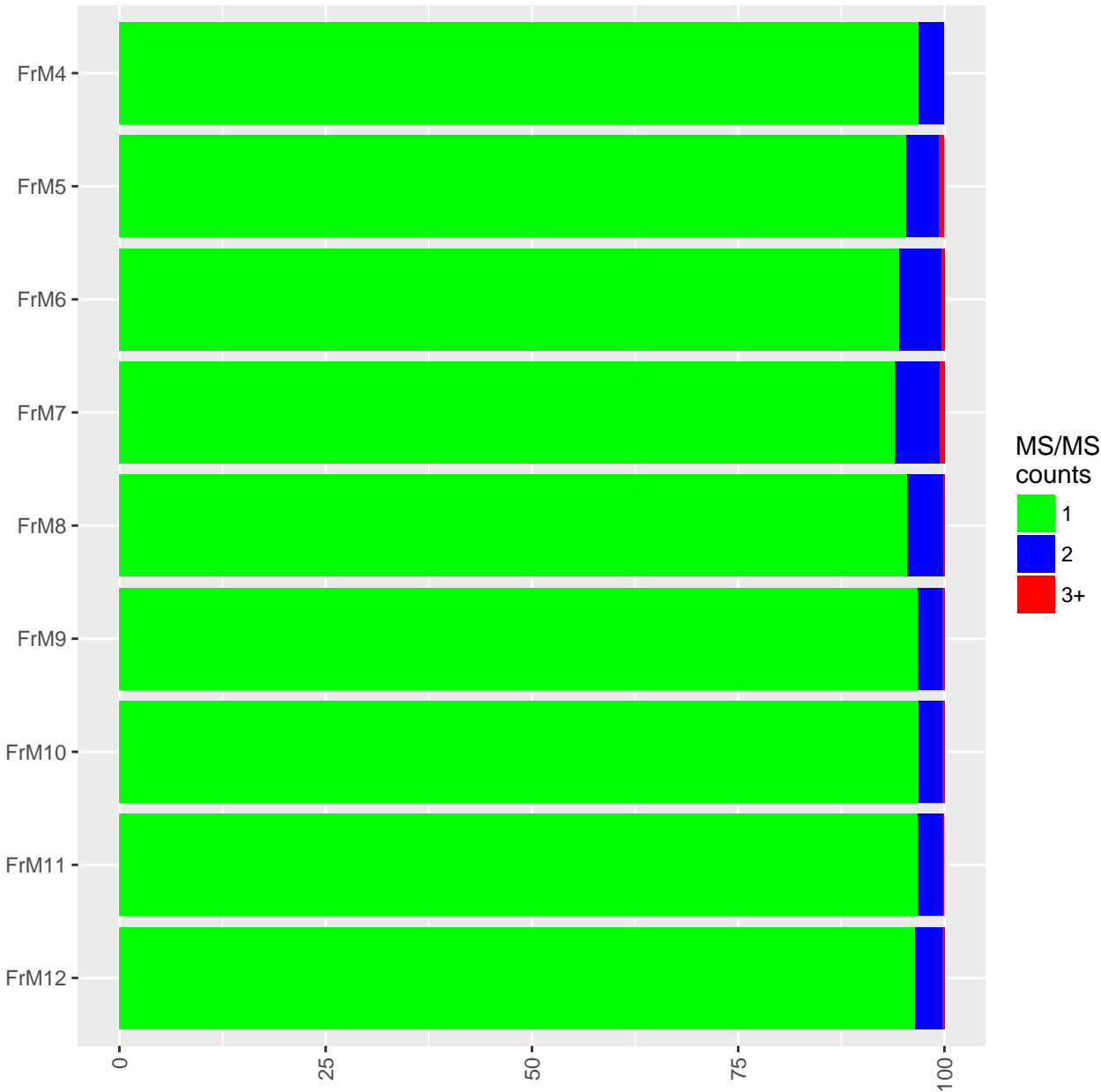


# MSMSscans: Ion Injection Time over RT

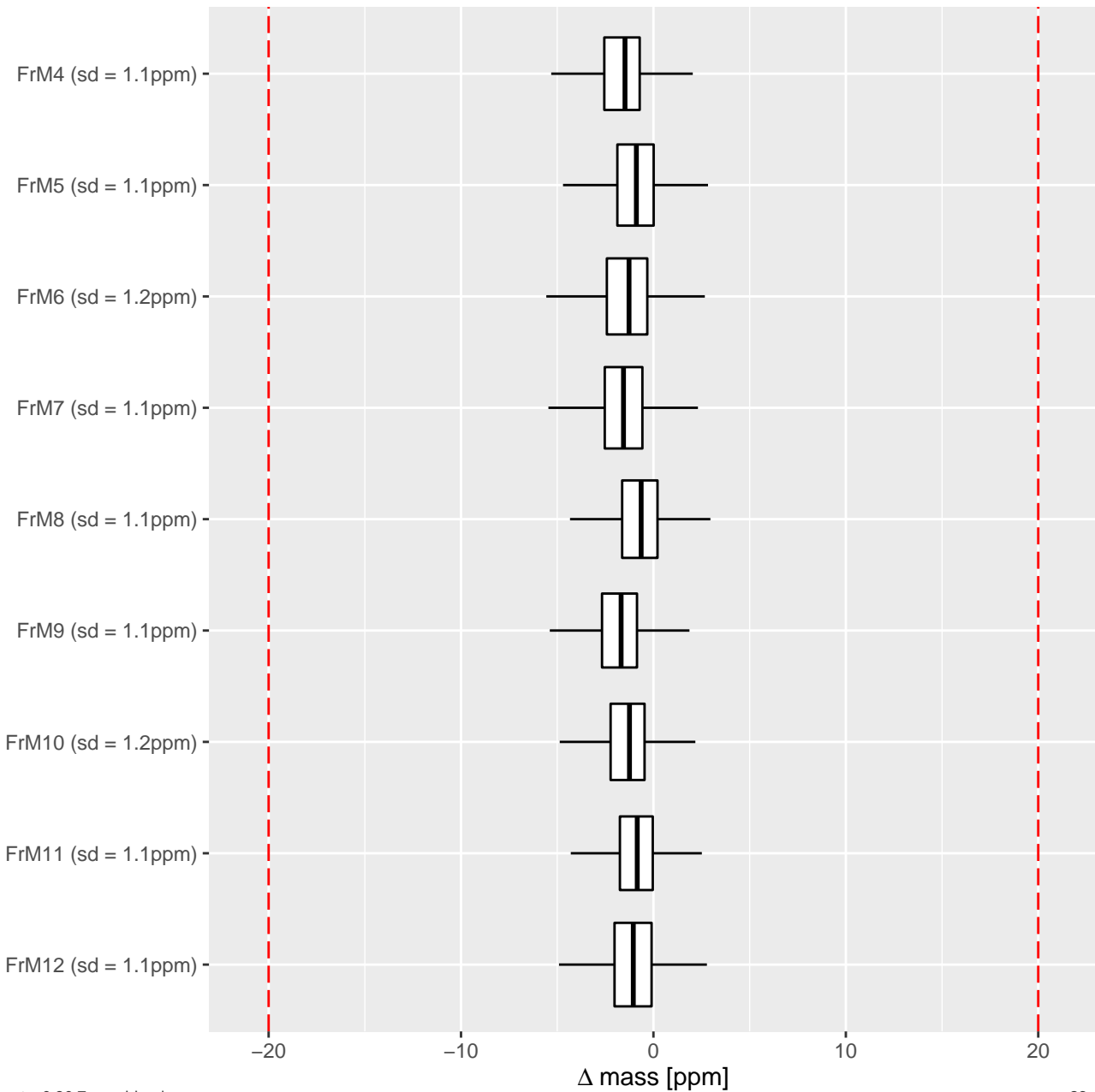




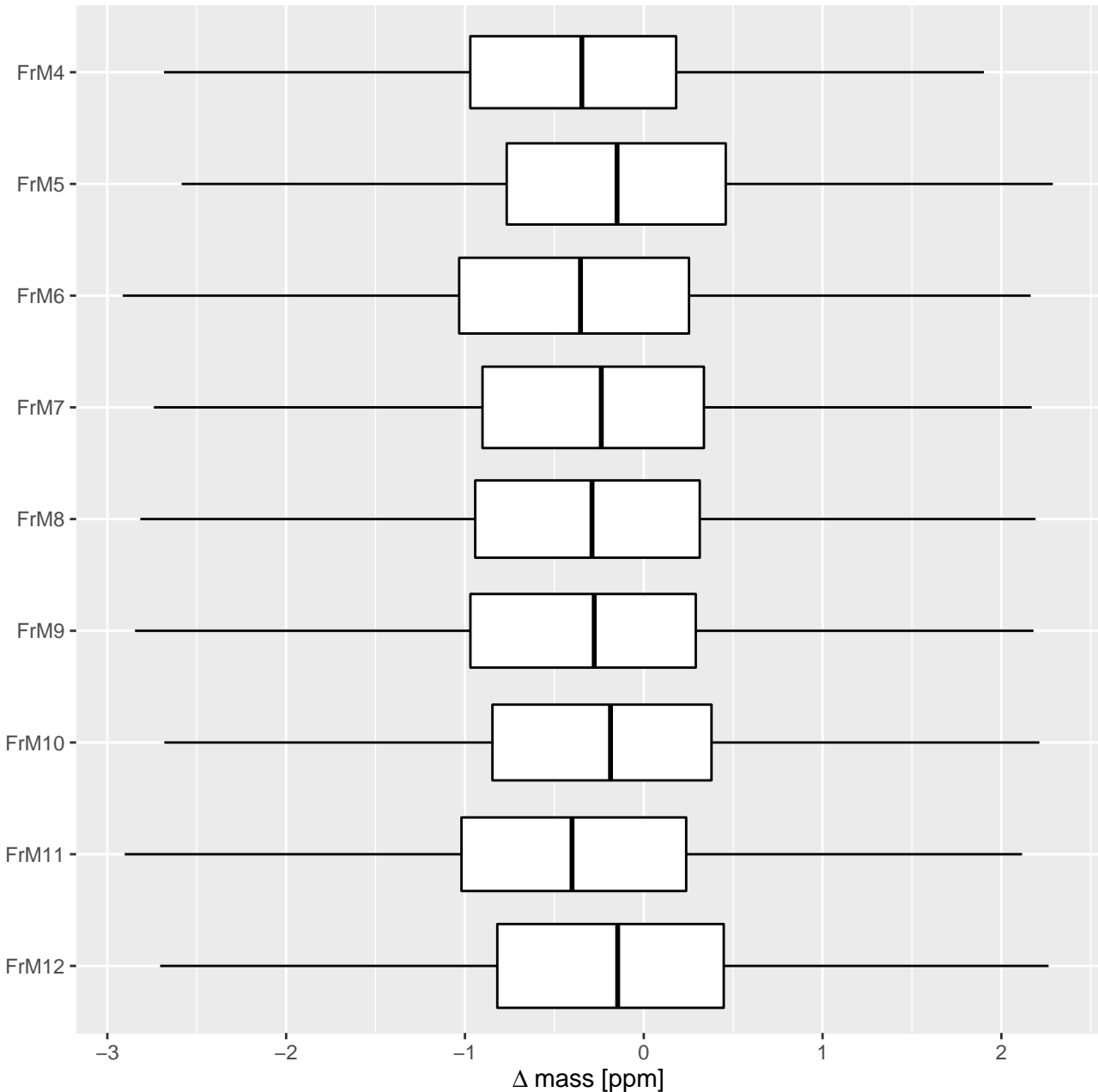
# EVD: Oversampling (MS/MS counts per 3D-peak)



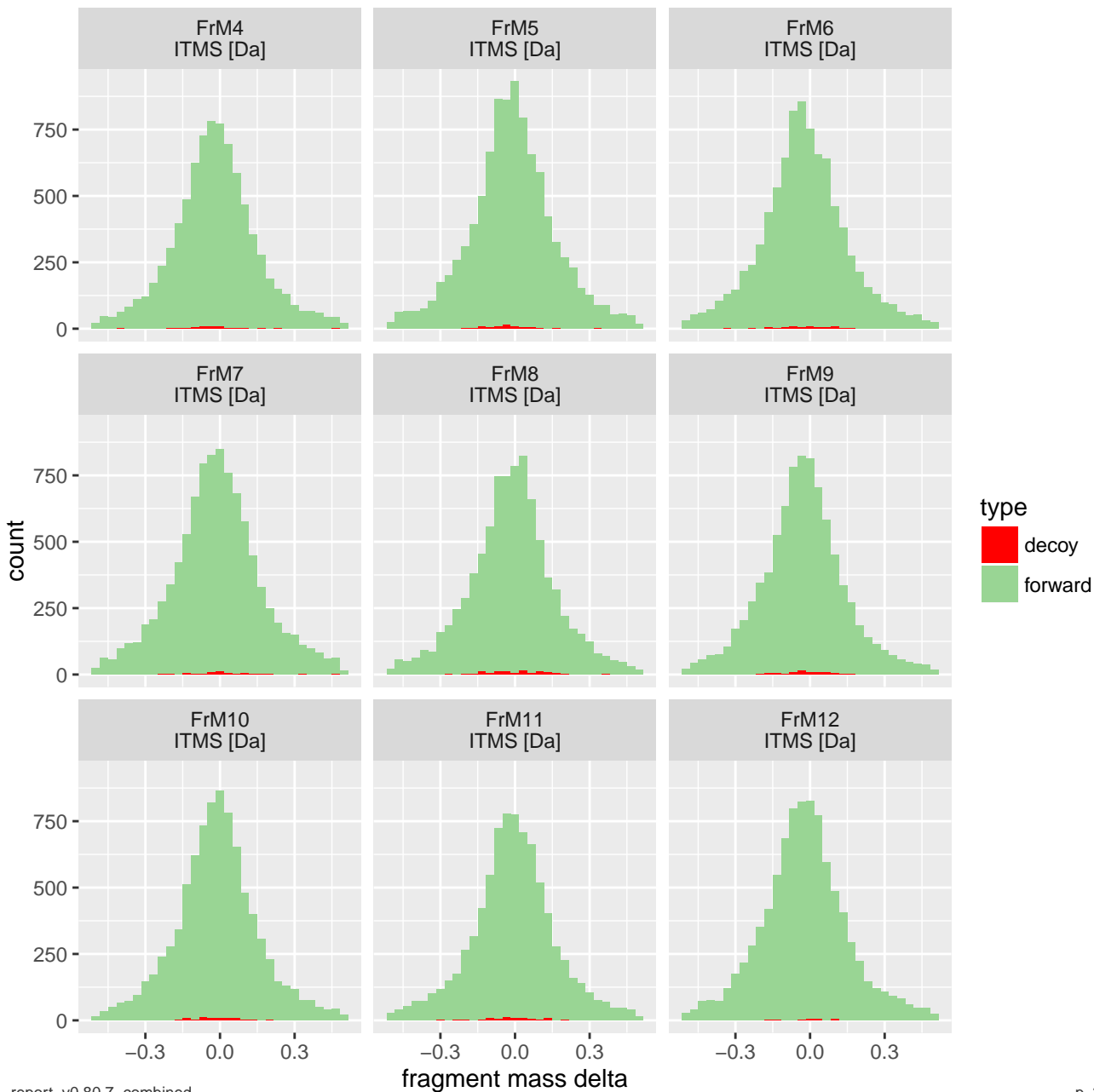
# EVD: Uncalibrated mass error



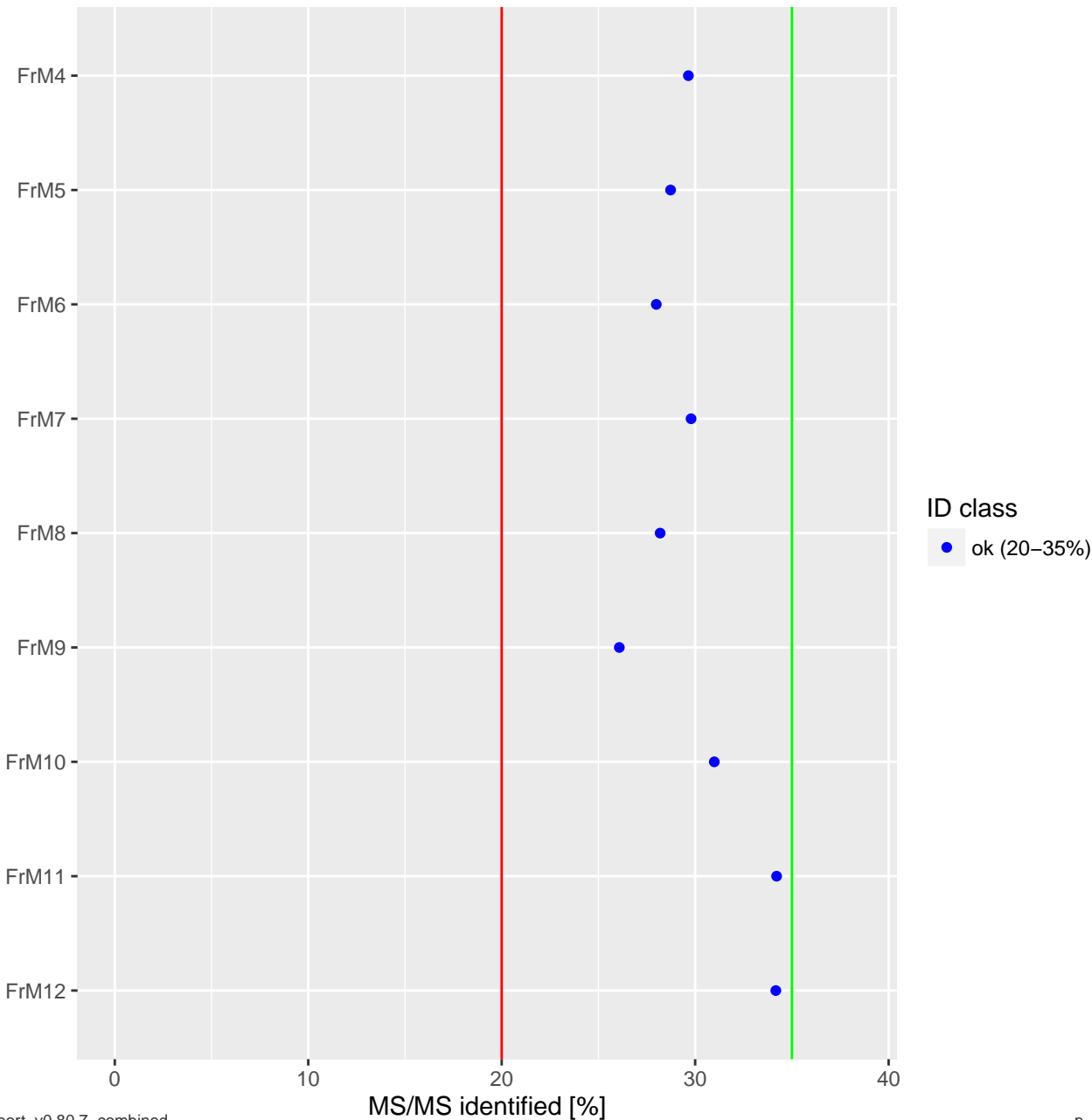
# EVD: Calibrated mass error



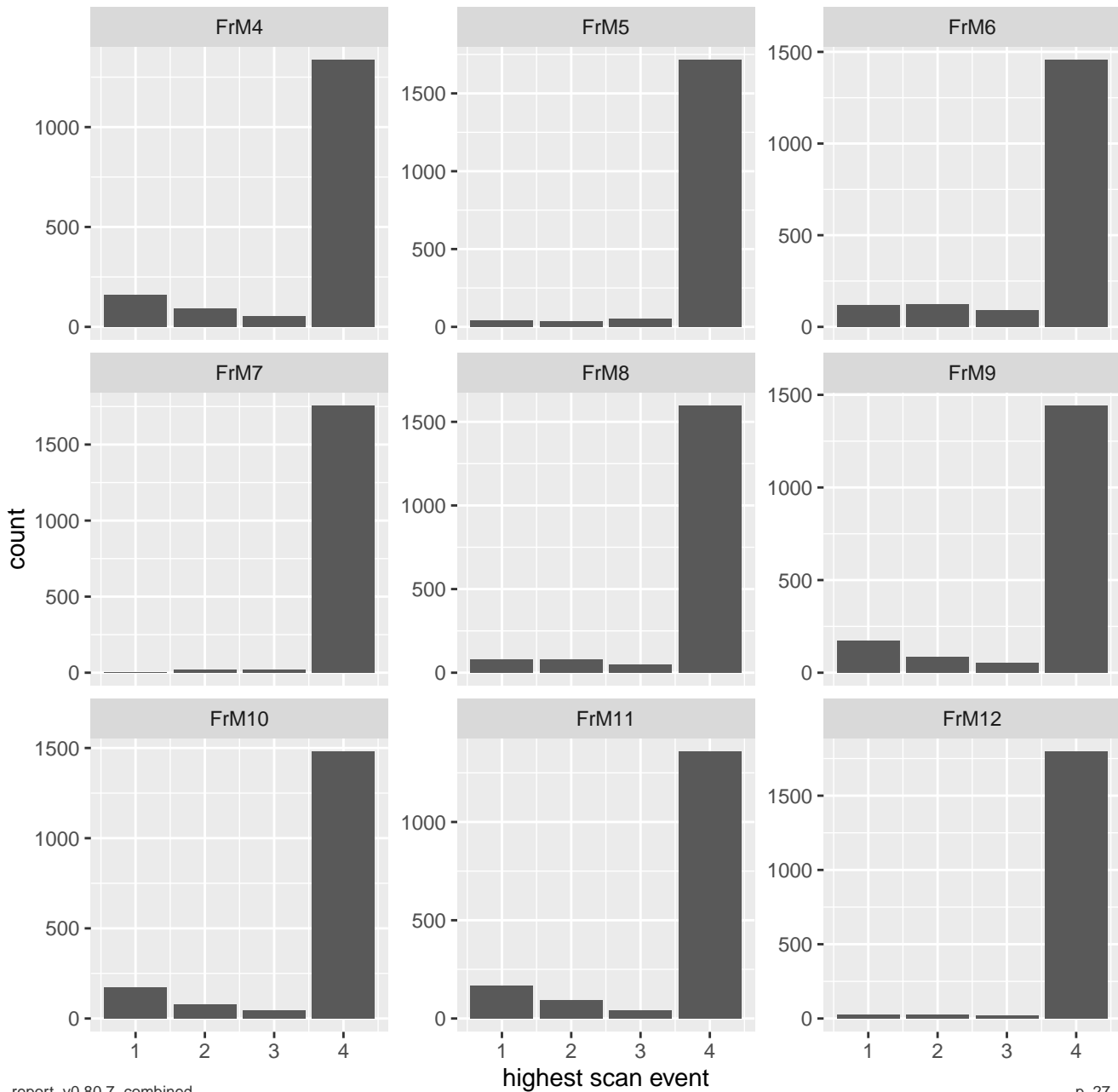
# MSMS: Fragment mass errors per Raw file



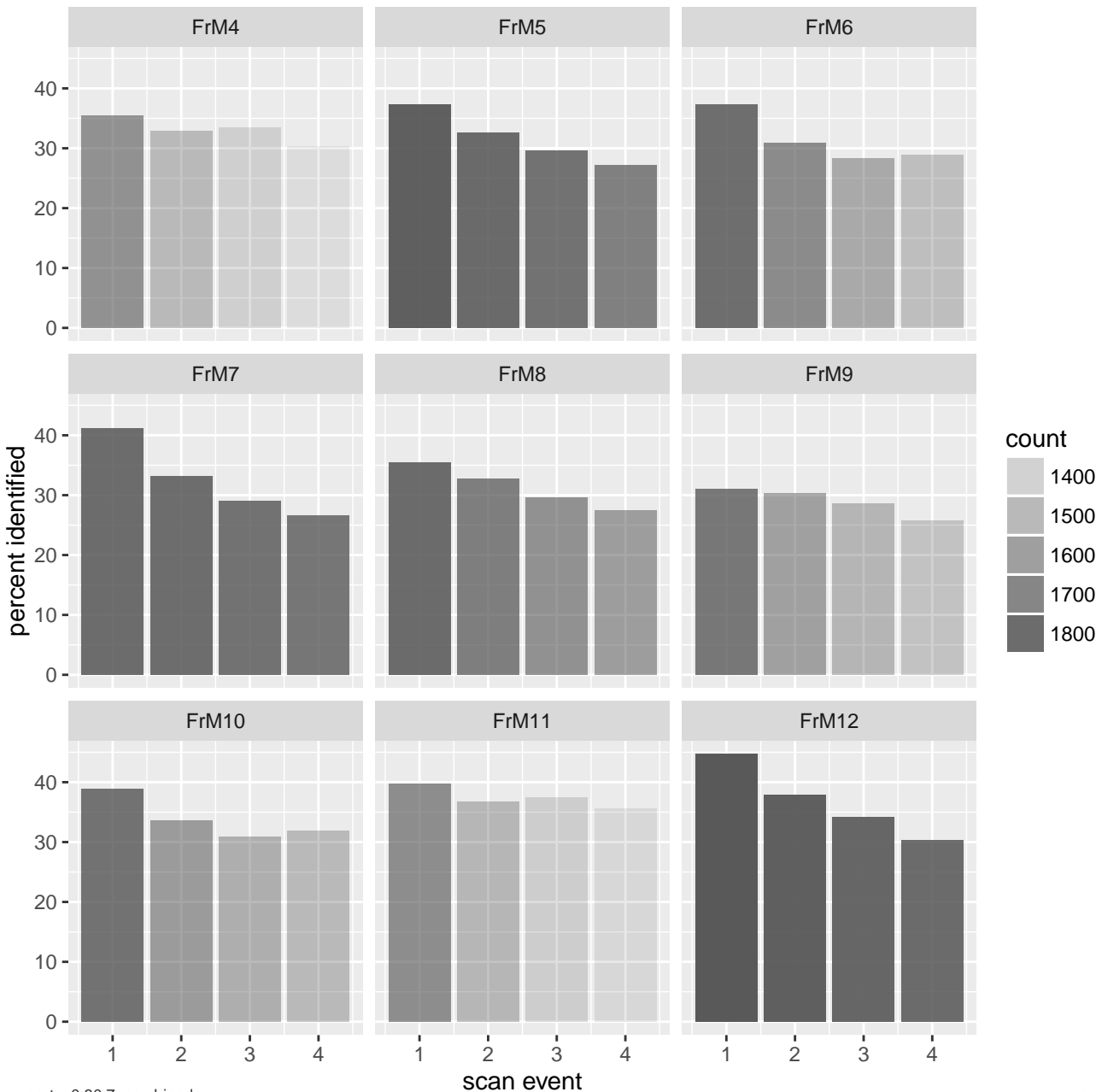
# SM: MS/MS identified per Raw file



# MSMSscans: TopN

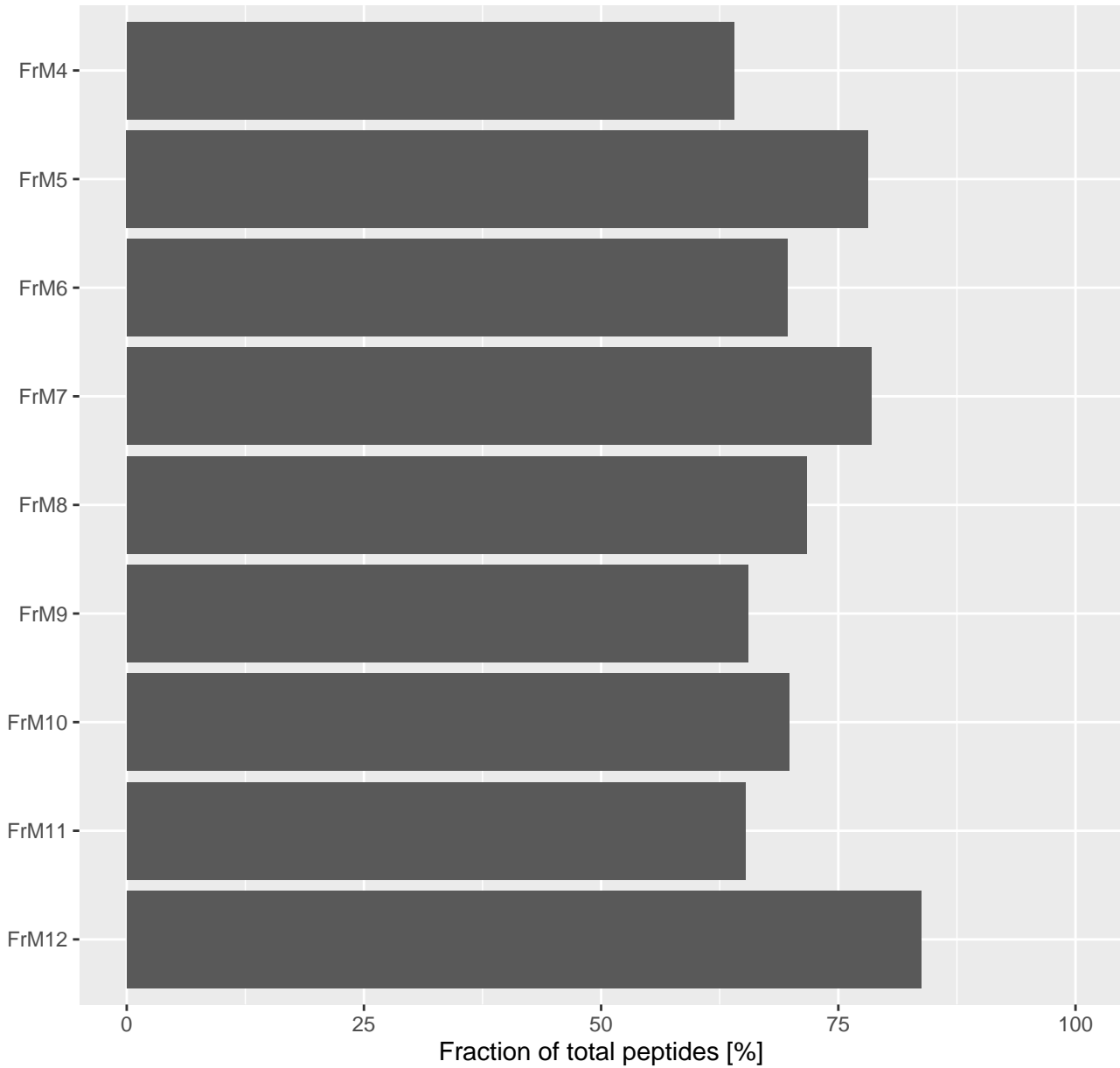


# MSMSscans: TopN % identified over N



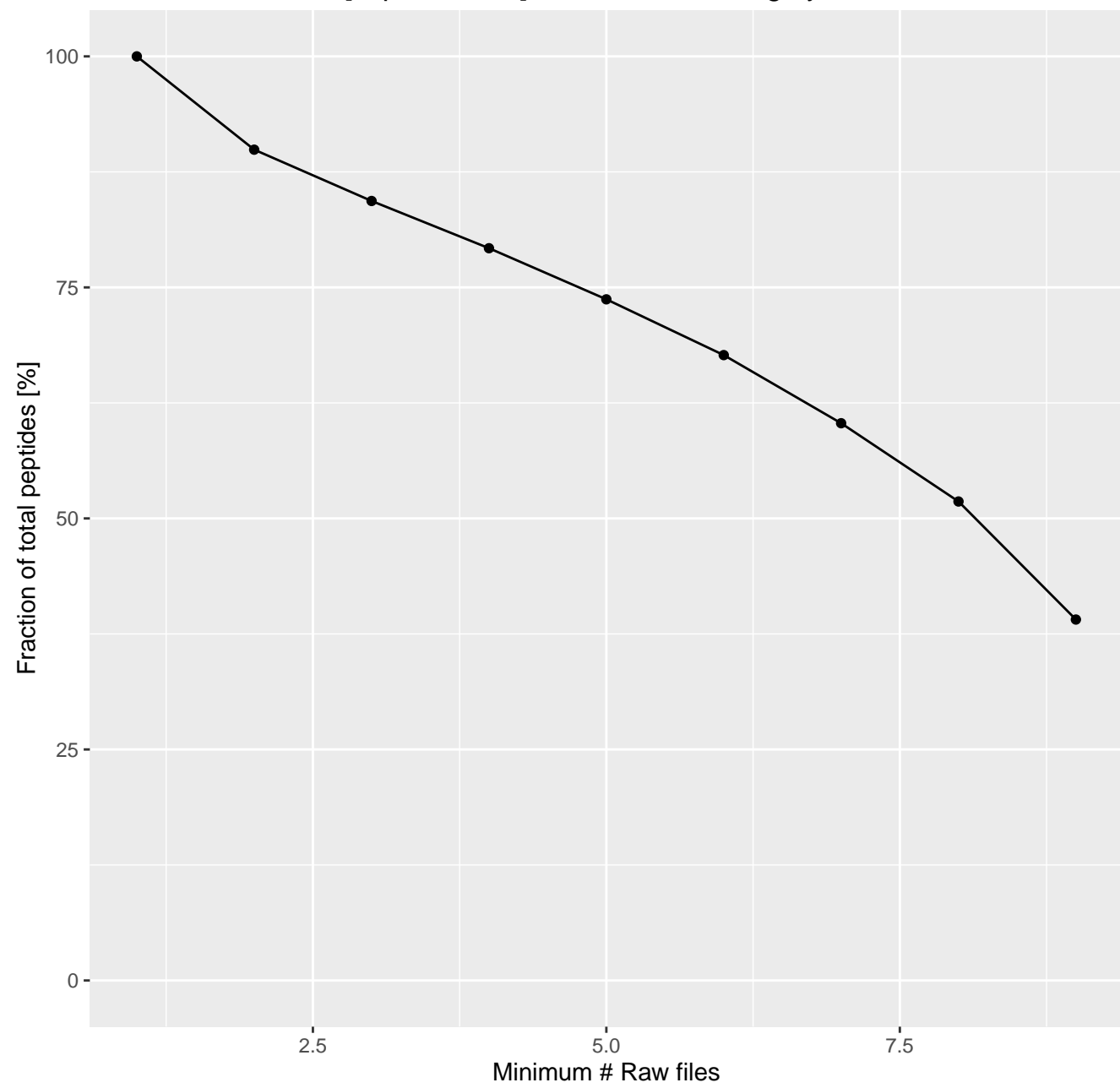
# [experimental] EVD: Non-Missing Peptides

compared to all peptides seen in experiment

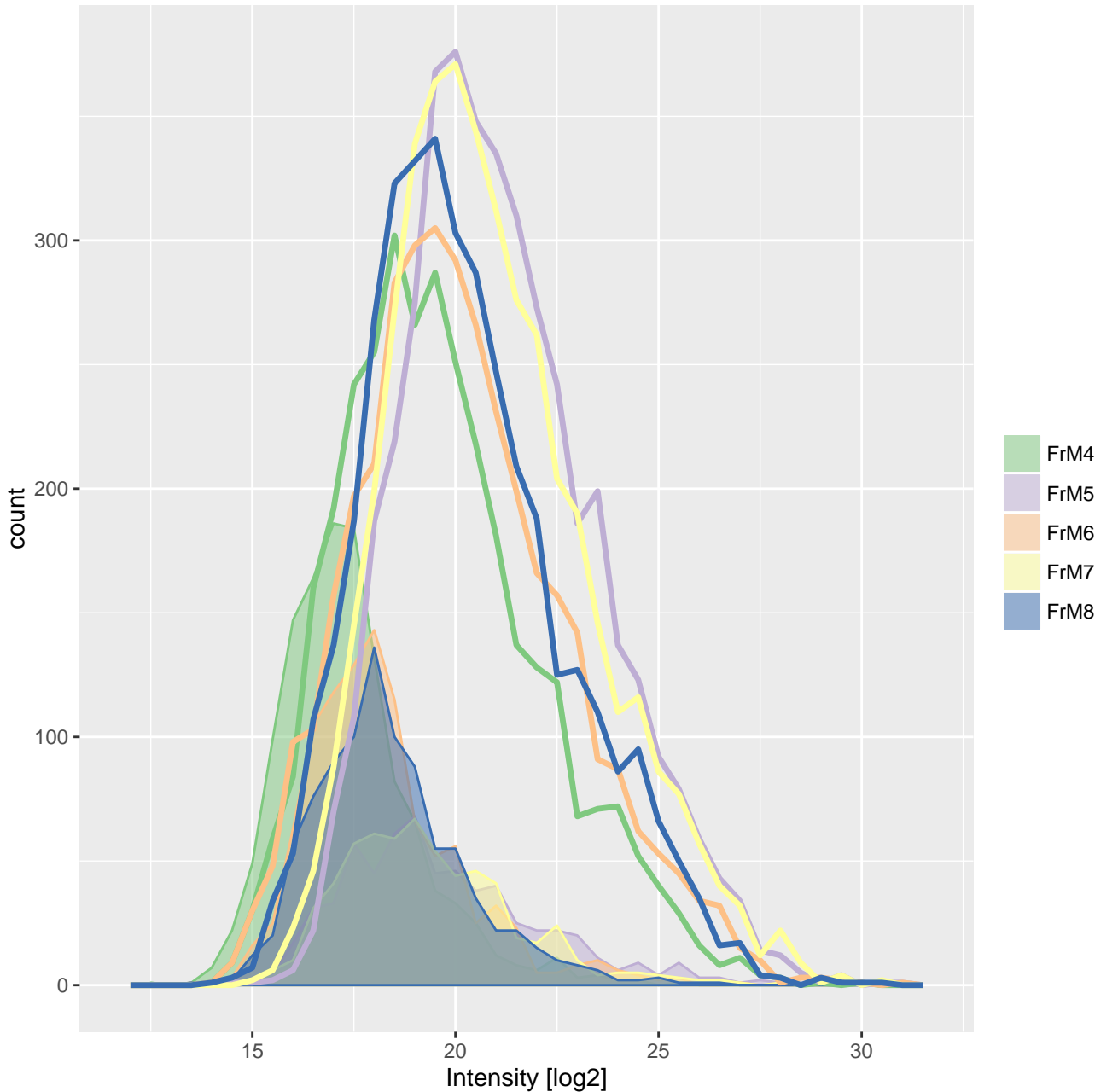




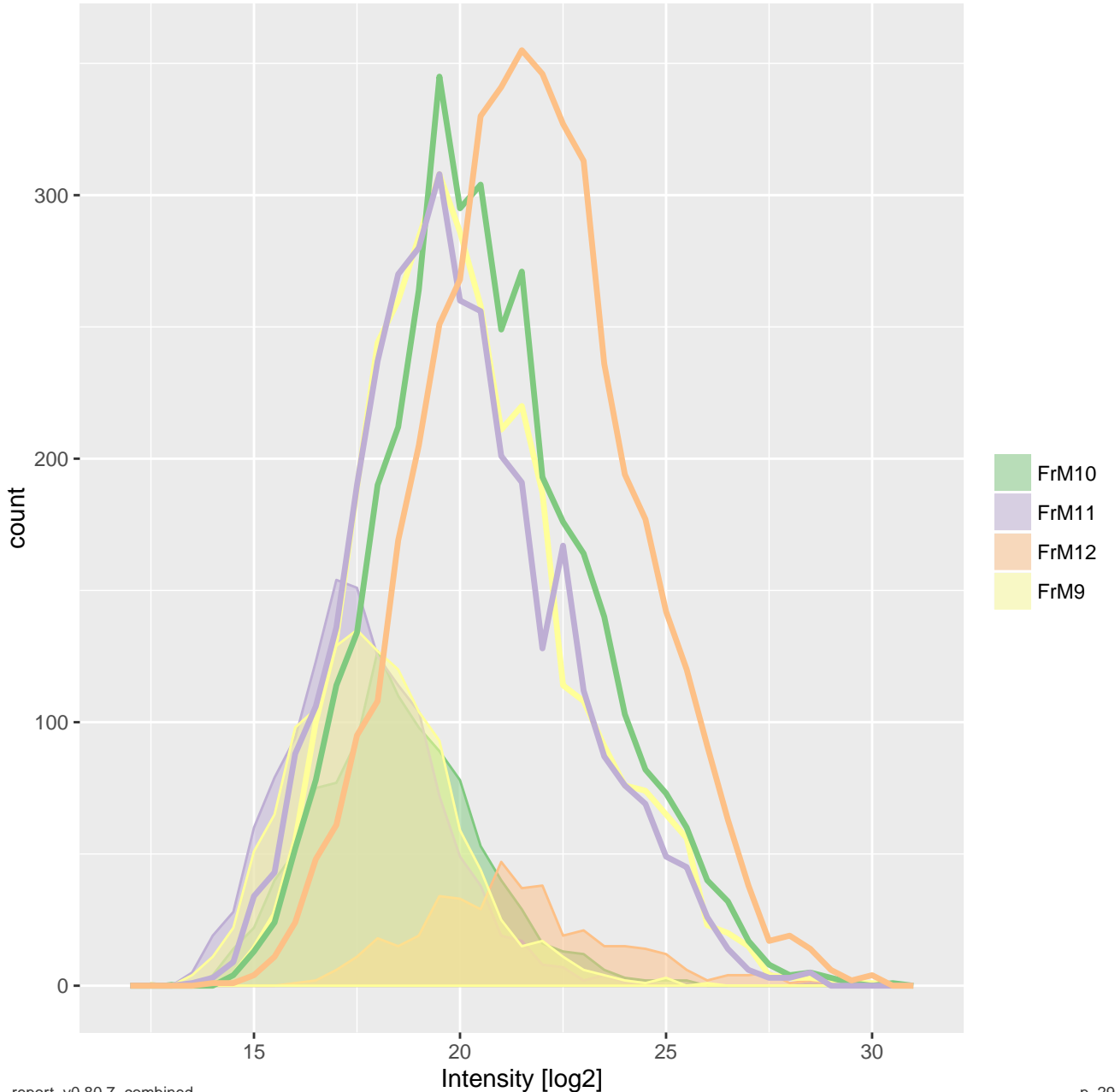
[experimental] EVD: Non-missing by set



[experimental] EVD: Imputed Peptide Intensity Distribution of Missing Values

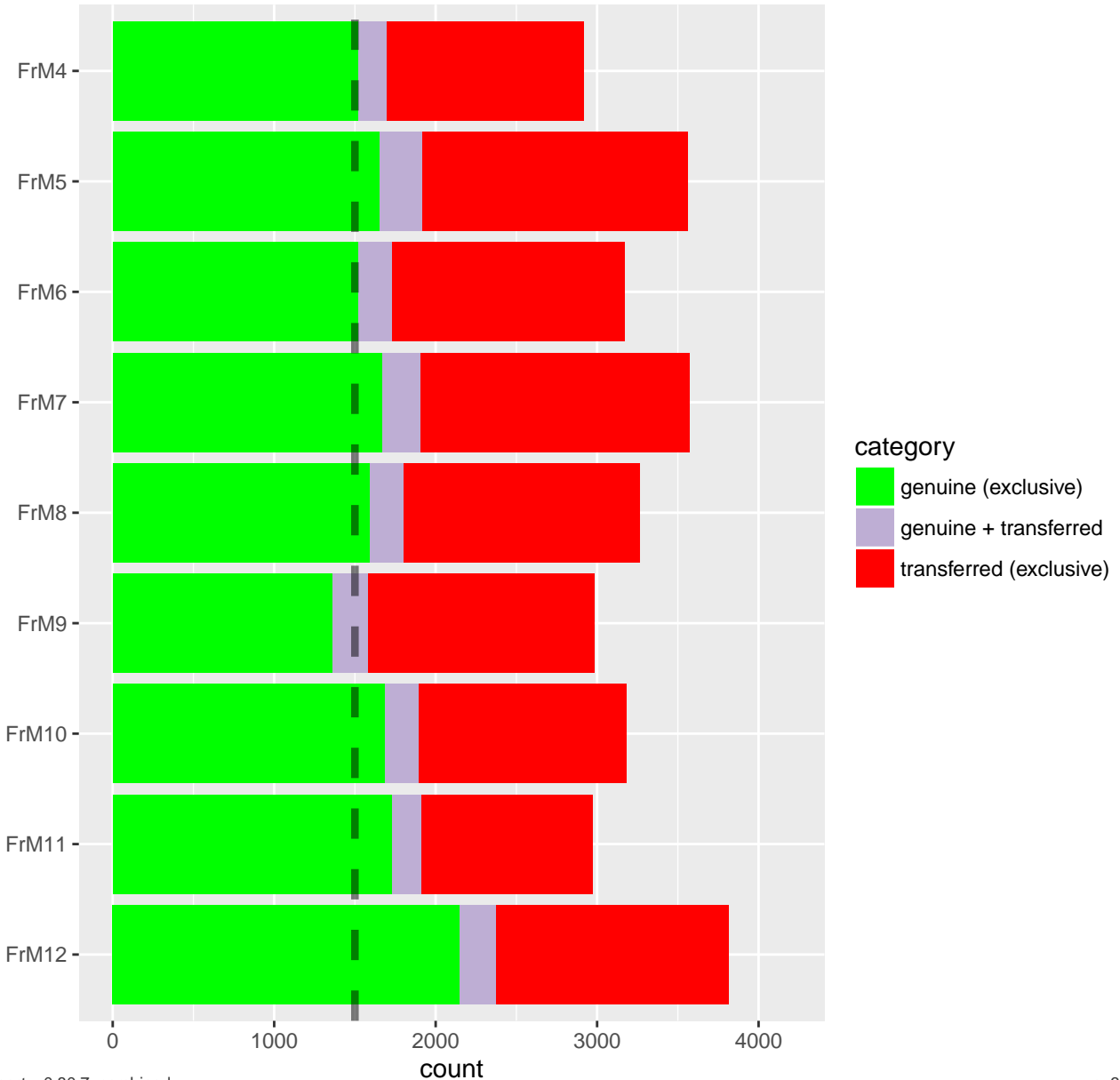


# [experimental] EVD: Imputed Peptide Intensity Distribution of Missing Values



# EVD: Peptide ID count

MBR gain: +76%



# EVD: ProteinGroups count

MBR gain: +46%

