Package	Source	Version	Note
		R vers	ion
Base packages	CRAN	4.0.0	-
	CD 137	Common p	purpose
data.table	CRAN	1.13.0	-
dplyr	CRAN	1.0.6	-
stringr	CRAN	1.4.0	-
doParallel	CRAN	1.0.15	-
BiocParallel	BC	1.22.0	-
ggplot2	CRAN	3.3.2	-
		Randomiz	zation
tuple	CRAN	0.4-02	-
randomizr	CRAN	0.20.0	-
	Г ₌₋	Integrat	tion
ipo	BC	1.14.0	-
Autotuner	BC	1.2.0	-
MetaboAnalystR	GH	3.0.2	-
xcms	BC	3.9.1	-
warpgroup	GH	0.1.0.9001	-
ncGTW	BC	1.2.0	-
		Correct	ion
pmp	BC	1.0.0	-
StatTarget	BC	1.20.0	This version allows to set high value in the CV cutoff
MetNormalizer	GH	1.3.02	-
batchCorr	GL	0.2.5	-
BatchCorrMetabolomics	GH	0.1.14	-
notame	GH	0.0.5	-
openxlsx	CRAN	4.1.5	-
pbapply	CRAN	1.4-3	-
caret	CRAN	6.0-86	-
rpart	CRAN	4.1-15	-
ipred	CRAN	0.9-9	-
catboost	GH	0.20	-
xgboost	CRAN	1.2.0.1	-
dbnorm	GH	0.2.2	-
ProteoMM	BC	1.6.0	-
WaveICA	GH	0.1.0	-
NormalizeMets	CRAN	0.25	-
RUVSeq	BC	1.22.0	-
edgeR	BC	3.12.1	This version allows to load RUVSeq package
tibble	CRAN	3.0.3	-
fpc	CRAN	2.2-7	-
FactoMineR	CRAN	2.3	-
cluster	CRAN	2.1.0	-
proBatch	BC	1.4.0	-
gPCA	CRAN	1.0	-
MetabolomicsBasics	CRAN	1.1	_
factoextra	CRAN	1.0.7	-
тистосли	CIVALI	1.0.7	

rafalib	CRAN	1.0.0	_					
RSEIS	CRAN	3.9-0	_					
ggsci	CRAN	2.9	_					
Annotation								
CAMERA	BC	1.44.0	_					
RamClustR	GH	1.1.0	_					
xMSannotator	GH	1.3.2	From kuppal2 repo					
ANISamotator	OII	1.3.2	(https://github.com/kuppal2/xMSannotator).					
			Fix for R 4.0 fun string 95 to n2<-					
			as.data.frame(n1, stringsAsFactors = T).					
			According to yufree repo					
			(https://github.com/yufree/xMSannotator).					
			Install manually (tar.gz), type = "source".					
			Also see instruction from GH and SF.					
mWISE	GH	0.1.0	Forked from b2slab/mWISE to					
			plyush1993/mWISE and depends were					
			manually changed to R ($>= 4.0$).					
		Normaliz	zation					
affy	BC	1.66.0	-					
clusterSim	CRAN	0.49-1	-					
DiffCorr	CRAN	0.4.1	-					
lmm2met	GH	1.0	-					
MetabolomicsBasics	CRAN	1.1	-					
lme4	CRAN	1.1-23	-					
lmerTest	CRAN	3.1-2	-					
NormalizeMets	CRAN	0.25	-					
RColorBrewer	CRAN	1.1-2	-					
limma	BC	3.38.3	-					
	T ==	Imputa	tion					
MetProc	CRAN	1.0.1	-					
impute	BC	1.62.0	-					
mice	CRAN	3.11.0	-					
missForest	CRAN	1.4	-					
StatTools	GL	0.0.915	-					
pcaMethods	BC	1.80.0	-					
imputeLCMD	CRAN	2.0	-					
imputeR	CRAN	2.2	-					
vegan	CRAN	2.5-6	-					
missMethods	CRAN	0.2.0	<u> - </u>					
	CDAN	Group						
corrr	CRAN	0.4.3.9000	-					
gplots	CRAN	3.0.4	-					
tidyverse	CRAN	1.3.0	-					
igraph	CRAN	1.2.6	-					
ggraph	CRAN	2.0.3	-					
robCompositions	CRAN	2.3.0	-					
compositions	CRAN	2.0-1	-					
gridExtra	CRAN	2.3	-					
stringi	CRAN	1.5.3	-					
notame	GH	0.0.5	-					
pmd	CRAN	0.1.9	-					

		Stati	istics		
pcaMethods	BC	1.80.0			
OutlierDetection	CRAN	0.1.1	Require spatstat package version 1.64-1 (CRAN)		
ClassDiscovery	CRAN	3.3.13	-		
caret	CRAN	6.0-86	Other methods may require additional packages		
klaR	CRAN	0.6-14	The klaR package should be exactly version 0.6-14 for RFS		
cwhmisc	CRAN	6.6	The shapiro.wilk.test function should be used if some error with normality test in UVF.		
tuple	CRAN	0.4-02	-		
pamr	CRAN	1.56.1	For ML model in caret		
pls	CRAN	2.7-3	For ML model in caret		
kernlab	CRAN	0.9-29	For ML model in caret		
randomForest	CRAN	4.6-14	For ML model in caret		
ropls	BC	1.20.0	-		
tdfdr	CRAN	0.1	-		
MetabolomicsBasics	CRAN	1.1	-		
lme4	CRAN	1.1-23	-		
lmerTest	CRAN	3.1-2	-		
mgcv	CRAN	1.8-32	-		
gamm4	CRAN	0.2-6	-		
drc	CRAN	3.0-1	-		
DRomics	CRAN	2.2-0	-		
limma	BC	3.38.3	-		
NormalizeMets	CRAN	0.25	-		
permimp	CRAN	1.0-0	-		
party	CRAN	1.3-5	-		
glmnet	CRAN	4.0-2	-		
MASS	CRAN	7.3-52	-		
pROC	CRAN	1.16.2	-		
reshape2	CRAN	1.4.4	-		
leaps	CRAN	3.1	-		
gWQS	CRAN	3.0.3	-		
vegan	CRAN	2.5-6	-		
pairwiseAdonis	GH	0.0.1	-		
multcomp	CRAN	1.4-13	-		
MetStaT	CRAN	1.0	-		
mixOmics	BC	6.12.1	-		
timecourse	BC	1.60.0	-		
factoextra	CRAN	1.0.7	-		
FactoMineR	CRAN	2.3	-		

dendextend	CRAN	1.13.4	-		
rafalib	CRAN	1.0.0	-		
RSEIS	CRAN	3.9-0	-		
ggsci	CRAN	2.9	-		
pheatmap	CRAN	1.0.12	-		
Rtsne	CRAN	0.15	-		
NbClust	CRAN	3.0	-		
clustertend	CRAN	1.4	-		
mclust	CRAN	5.4.6	-		
clValid	CRAN	0.6-9	-		
pvclust	CRAN	2.2-0	-		
fpc	CRAN	2.2-7	-		
Hmisc	CRAN	4.4-1	-		
corrplot	CRAN	0.84	-		
psych	CRAN	2.0.7	-		
pwr	CRAN	1.3-0	-		
effectsize	CRAN	0.3.2	-		
Directly used packages: 115					