

# OpenMS Usage Statistics

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This is an automatically generated report that evaluates the current OpenMS user statistics. The data is taken from the file `../logfiles/openms.logs` preprocessed by a script `global_openms.R`. If you want to evaluate this report on another file, please change the variable `openms_log_file` in the script `global_openms.R`.

## Timeframe

**2016-05-09 to 2017-05-07**

## The Data

The collected information contains the following columns:

	names	desc
1	calls	The number of calls.
2	date	The IP address
3	ip	The Date of the call
4	app	The application name
5	version	The application version
6	cpu	The Bitsystem. Either 32 or 64.
7	os	The operating system (Windows, Linux or Mac OS)
8	who	A Parameter only used in OpenMS. (Here: OpenMS)
9	clustered	0 or 1, depending on wether the call was from a cluster.
10	country	(freeip.net) The country derived from the ip adress
11	region	(freeip.net) The region derived from the ip adress
12	city	(freeip.net) The city derived from the ip adress
13	zipcode	(freeip.net) The zipcode derived from the ip adress
14	latitude	(freeip.net) The latidude derived from the ip adress
15	longitude	(freeip.net) The longitude derived from the ip adress

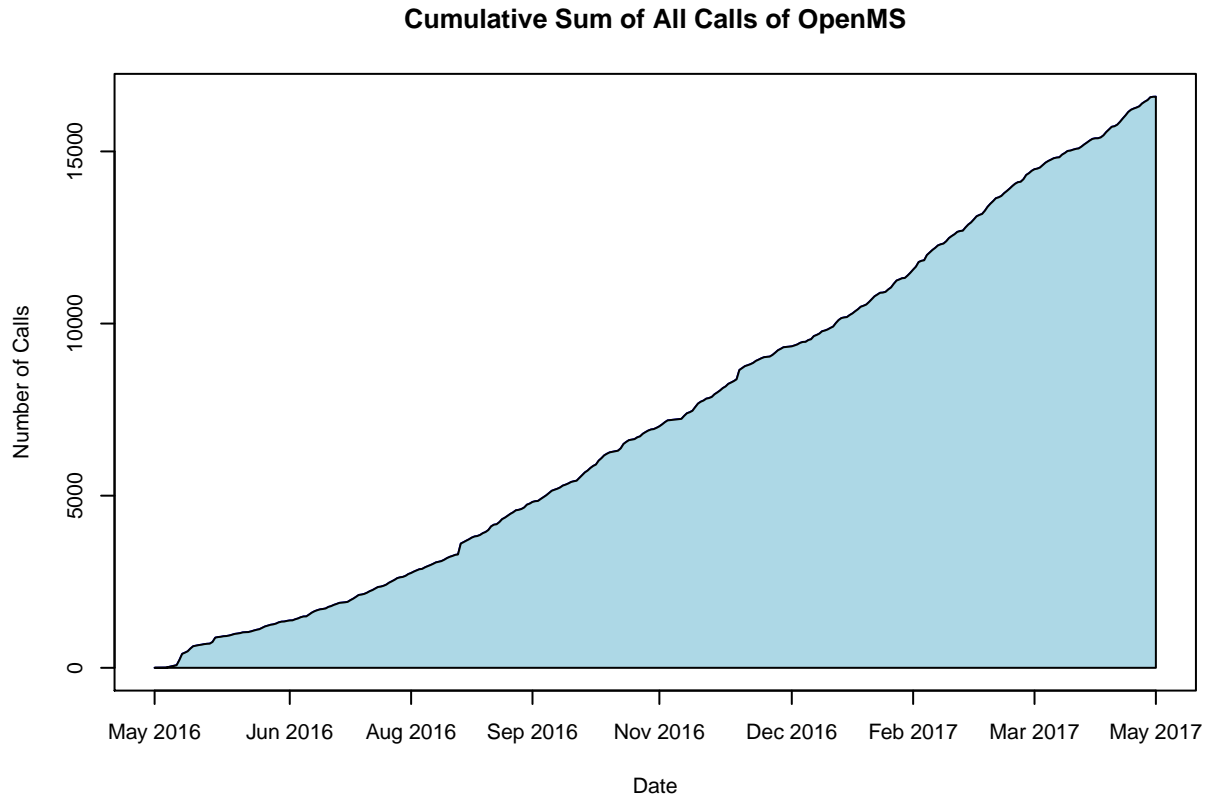
Table 1: The column names of the collected user information.

Some preprocessing details (`global_openms.R`):

- All entries marked as clusters are removed from the data set.
- A separate table keeps track of the amount of cluster uses.
- The date column is transform to a date-format of R.

## OpenMS

To display the general usage of Seqan, the plot shows the cumulative usage of all application summed together over the given time period.



## OpenMS Worldmap

## Distribution of Countries and Cities per OpenMS Application

	#Countries	Country with most calls	#Cities	City with most calls
FileConverter	25	Germany	88	Berlin
FeatureFinderCentroided	24	Germany	82	Berlin
FileInfo	23	Germany	60	Freiburg
PeakPickerHiRes	21	Germany	63	Berlin
BaselineFilter	21	Germany	57	
TextExporter	19	Germany	59	Freiburg
FileFilter	19	Germany	52	Freiburg
PeptideIndexer	18	Germany	63	Freiburg
PeakPickerWavelet	18	Germany	42	Mexico City
OMSSAAdapter	18	Germany	47	Göttingen
IDFileConverter	18	United States	41	Cambridge
IDMapper	17	Germany	57	Freiburg
IDFilter	17	Germany	57	Freiburg
FeatureLinkerUnlabeled	17	Netherlands	28	
FalseDiscoveryRate	17	Germany	54	Freiburg
NoiseFilterGaussian	16	United States	28	Mountain View
MSGFPlusAdapter	16	Germany	39	Freiburg
FeatureFinderMetabo	16	Germany	39	Tübingen
XTandemAdapter	15	Germany	44	Freiburg
FeatureLinkerUnlabeledQT	15	Germany	45	Tübingen
FeatureFinderIsotopeWavelet	15	United States	23	
ConvertTSVToTraML	15	Switzerland	29	Zurich
FileMerger	14	Germany	26	Freiburg
OpenSwathDecoyGenerator	13	Switzerland	21	Zurich
NoiseFilterSGolay	13	United States	31	Freiburg
MapAlignerPoseClustering	13	Germany	33	
IDEvaluatorGUI	13	United States	26	Tübingen
OpenSwathWorkflow	12	United States	23	Zurich
OpenSwathChromatogramExtractor	12	United Kingdom	20	Manchester
IDPosteriorErrorProbability	12	Germany	29	Tübingen
IDMerger	12	Germany	35	Freiburg
DecoyDatabase	12	Germany	38	Turku
OpenSwathRTNormalizer	11	Japan	17	
OpenSwathFileSplitter	11	Germany	29	Berlin
MassTraceExtractor	11	Germany	22	Tübingen

	#Countries	Country with most calls	#Cities	City with most calls
FeatureFinderMultiplex	11	Germany	28	Freiburg
ConsensusMapNormalizer	11	Germany	21	Tübingen
ConsensusID	11	Germany	27	Freiburg
OpenSwathFeatureXMLToTSV	10	United States	17	Manchester
OpenSwathAnalyzer	10	Japan	16	Manchester
MzTabExporter	10	Germany	19	Freiburg
GenericWrapper	10	Germany	22	Uppsala
TOPPBaseTest	9	Germany	30	Berlin
MascotAdapterOnline	9	Germany	13	Bochum
ConvertTraMLToTSV	9	Switzerland	20	Zurich
ProteinQuantifier	8	Germany	28	Freiburg
MapRTTransformer	8	Germany	13	Stockholm
MapAlignerIdentification	8	United States	23	Stockholm
HighResPrecursorMassCorrector	8	Germany	17	Berlin
FidoAdapter	8	Germany	14	Freiburg
Decharger	8	United States	17	Singapore
TOPPBaseTestParam	7	Germany	20	Berlin
QCCalculator	7	Germany	19	La Jolla
MyriMatchAdapter	7	Sweden	12	Uppsala
MSSimulator	7	Costa Rica	13	San José
InternalCalibration	7	United States	13	Ashburn
IDConflictResolver	7	Germany	18	Freiburg
FeatureLinkerLabeled	7	Germany	11	Bundooru
SpectraMerger	6	Germany	14	Freiburg
SpectraFilterWindowMower	6	Germany	11	Berlin
IDScoreSwitcher	6	Germany	14	Tübingen
FeatureFinderSuperHirn	6	Singapore	8	Singapore
FeatureFinderIdentification	6	United States	11	Stockholm
EICEExtractor	6	Sweden	9	Stockholm
CompNovo	6	United States	10	Ashburn
AccurateMassSearch	6	France	13	Lyon
TMTAnalyzer	5	Singapore	7	Singapore
SeedListGenerator	5	United States	7	Burke
QCExtractor	5	Germany	12	Tübingen
ITRAQAnalyzer	5	Germany	8	Freiburg
IsobaricAnalyzer	5	Germany	6	Tübingen

	#Countries	Country with most calls	#Cities	City with most calls
ImageCreator	5	Germany	11	Tübingen
FeatureFinderMRM	5	United States	9	Ashburn
ExecutePipeline	5	Germany	10	Tübingen
Digestor	5	United States	6	Ann Arbor
CompNovoCID	5	United States	7	Ashburn
XMLValidator	4	Germany	6	Hadfield
TopPerc	4	United Kingdom	4	Oxford
SequenceCoverageCalculator	4	Sweden	4	Stockholm
PepNovoAdapter	4	Germany	4	Freiburg
OpenSwathAssayGenerator	4	United States	8	Ashburn
MRMMapper	4	United States	6	La Jolla
MassCalculator	4	Germany	5	Berlin
MapNormalizer	4	Germany	9	Ashburn
LuciphorAdapter	4	Germany	5	Tübingen
FeatureLinkerUnlabeledKD	4	Germany	7	Tübingen
DTAExtractor	4	United States	11	Ashburn
XFDR	3	Germany	3	Tübingen
TOPPBaseTestNOP	3	United States	6	Ashburn
TOPPBaseCmdParseSubsectionsTest	3	United States	5	Ashburn
SpectraFilterThresholdMower	3	Germany	3	Berlin
SpectraFilterSqrtMower	3	United States	4	Ashburn
SpectraFilterParentPeakMower	3	China	3	Beijing
SpectraFilterNormalizer	3	Germany	3	Berlin
SpectraFilterNLargest	3	Czechia	4	Brno
SimpleSearchEngine	3	Germany	5	Ashburn
Resampler	3	United States	4	Ashburn
ProteinResolver	3	Czechia	4	Brno
PhosphoScoring	3	Germany	3	Tübingen
PercolatorAdapter	3	Germany	5	Tübingen
PeakPickerIterative	3	United States	7	Ashburn
MzMLSplitter	3	United Kingdom	6	Oxford
MultiplexResolver	3	Germany	7	Freiburg
MetaProSIP	3	United States	4	Richland
MetaboliteSpectralMatcher	3	Chile	5	Santiago
MascotAdapter	3	United States	6	Ashburn
MapStatistics	3	United States	6	Ashburn

	#Countries	Country with most calls	#Cities	City with most calls
MapAlignerSpectrum	3	United States	4	Ashburn
InspectAdapter	3	United States	6	Ashburn
IDMassAccuracy	3	United States	4	Ashburn
FileStatistics	3	Germany	3	Berlin
TOFCalibration	2	United States	5	Ashburn
SpectraFilterIsotopePattern	2	Germany	2	Lisbon
SpectraFilterBernNorm	2	Mexico	2	Košice
SpecLibSearcher	2	Chile	2	Karlsruhe
RTPredict	2	United States	6	Berlin
RTModel	2	United States	6	Ashburn
QCShrinker	2	Germany	3	Tübingen
QCEmbedder	2	Germany	6	Tübingen
PTPredict	2	United States	5	Ashburn
PTModel	2	United States	5	Ashburn
PSMFeatureExtractor	2	Germany	4	Tübingen
ProteinInference	2	United States	6	Ashburn
PrecursorMassCorrector	2	United States	3	Ashburn
PrecursorIonSelector	2	United States	5	Ashburn
OptiQuant	2	Germany	3	Tübingen
OpenSwathMzMLFileCacher	2	United States	5	Ashburn
OpenProXLLF	2	Germany	4	Tübingen
OpenProXL	2	Germany	3	Tübingen
MRMTransitionGroupPicker	2	United States	3	Ashburn
INIUpdater	2	Germany	6	Berlin
IDSplitter	2	Germany	4	Tübingen
IDRTCcalibration	2	United States	5	Ashburn
IDRipper	2	United States	3	Ashburn
FuzzyDiff	2	United States	7	Ashburn
DeNovoSymDiff	2	Switzerland	2	Zurich
CSIFingerID	2	Germany	3	Tübingen
COMETAdapter	2	Germany	11	Tübingen
BuildIndex	2	Germany	4	Berlin
AdditiveSeries	2	United States	5	Ashburn
xQuest	1	Germany	7	Tübingen
TICCalculator	1	United States	3	Ashburn
TargetedFileConverter	1	Switzerland	1	Zurich

	#Countries	Country with most calls	#Cities	City with most calls
SymDiffRTDenovo	1	Switzerland	2	Zurich
SymDiffDenovo	1	Switzerland	4	Zurich
SpectraSTSearchAdapter	1	Germany	1	Tübingen
SpectraSTCreateAdapter	1	Germany	1	Tübingen
SpectraFilterMarkerMower	1	China	1	Beijing
SpecLibCreator	1	Germany	1	Berlin
SiriusMzTabWriter	1	Germany	2	Heilbronn
SiriusMSConverter	1	Germany	1	Tübingen
SiriusAdapter	1	Germany	1	Tübingen
seqan	1	Germany	1	Berlin
samcat	1	Germany	1	Berlin
RNPxlXICFilter	1	Germany	1	Göttingen
RNPxlSearch	1	Germany	2	Göttingen
QCExporter	1	Germany	1	Neu Isenburg
PSMPrescorer	1	Germany	1	Berlin
PreprocessSpectra	1	United States	1	Philadelphia
PeakInvestigatorTOPP	1	United States	1	Portland
PeakInvestigatorSubmitJob	1	United States	3	Portland
PeakInvestigatorFetchResults	1	United States	2	Portland
PeakInvestigator	1	United States	1	Portland
OpenSwathConfidenceScoring	1	United States	2	Ashburn
NucSpectrumGen	1	United States	1	Philadelphia
NucleotideIDAMSDBCreator	1	United States	1	Philadelphia
NucleotideID	1	United States	1	Philadelphia
MzIdentML_READ_TEST	1	Germany	1	Tübingen
MassDeviationScorer	1	Germany	1	Berlin
LowMemPeakPickerHiRes_RandomAccess	1	United States	2	Ashburn
LowMemPeakPickerHiRes	1	United States	2	Ashburn
InclusionExclusionListCreator	1	United States	2	Ashburn
IDExtractor	1	Switzerland	1	Zurich
IDDecoyProbability	1	Germany	1	Bochum
FeatureLinkerUnlabeledLP	1	United States	2	El Sobrante
FeatureFinderCentroid	1	Germany	1	Berlin
FeatureFinderCentroid	1	Germany	1	Berlin
ExternalCalibration	1	United States	4	Ashburn
CsiFingerIdMzTabWriter	1	Germany	1	Heilbronn

	#Countries	Country with most calls	#Cities	City with most calls
ConvertTraMLToPQP	1	Switzerland	1	Zurich
ConvertPQPToTraML	1	Switzerland	1	Zurich



## Daily and Weekly usage of OpenMS Applications

	Total Sum	Average per Day	Average per Week
AccurateMassSearch	50	0.1377410	0.9641873
AdditiveSeries	31	0.0853994	0.5977961
BaselineFilter	118	0.3250689	2.2754821
BuildIndex	37	0.1019284	0.7134986
COMETAdapter	26	0.0716253	0.5013774
CompNovo	36	0.0991736	0.6942149
CompNovoCID	34	0.0936639	0.6556474
ConsensusID	190	0.5234160	3.6639118
ConsensusMapNormalizer	126	0.3471074	2.4297521
ConvertPQPToTraML	1	0.0027548	0.0192837
ConvertTraMLToPQP	3	0.0082645	0.0578512
ConvertTraMLToTSV	153	0.4214876	2.9504132
ConvertTSVToTraML	261	0.7190083	5.0330579
CSIFingerID	19	0.0523416	0.3663912
CsiFingerIdMzTabWriter	1	0.0027548	0.0192837
Decharger	81	0.2231405	1.5619835
DecoyDatabase	195	0.5371901	3.7603306
DeNovoSymDiff	21	0.0578512	0.4049587
Digestor	14	0.0385675	0.2699725
DTAExtractor	37	0.1019284	0.7134986
EICEExtractor	40	0.1101928	0.7713499
ExecutePipeline	138	0.3801653	2.6611570
ExternalCalibration	5	0.0137741	0.0964187
FalseDiscoveryRate	494	1.3608815	9.5261708
FeatureFinderCentroid	1	0.0027548	0.0192837
FeatureFinderCentroid	1	0.0027548	0.0192837
FeatureFinderCentroided	483	1.3305785	9.3140496
FeatureFinderIdentification	29	0.0798898	0.5592287
FeatureFinderIsotopeWavelet	30	0.0826446	0.5785124
FeatureFinderMetabo	220	0.6060606	4.2424242
FeatureFinderMRM	11	0.0303030	0.2121212
FeatureFinderMultiplex	250	0.6887052	4.8209366
FeatureFinderSuperHirn	28	0.0771350	0.5399449
FeatureLinkerLabeled	19	0.0523416	0.3663912
FeatureLinkerUnlabeled	101	0.2782369	1.9476584

	Total Sum	Average per Day	Average per Week
FeatureLinkerUnlabeledKD	58	0.1597796	1.1184573
FeatureLinkerUnlabeledLP	10	0.0275482	0.1928375
FeatureLinkerUnlabeledQT	373	1.0275482	7.1928375
FidoAdapter	141	0.3884298	2.7190083
FileConverter	492	1.3553719	9.4876033
FileFilter	479	1.3195592	9.2369146
FileInfo	378	1.0413223	7.2892562
FileMerger	100	0.2754821	1.9283747
FileStatistics	14	0.0385675	0.2699725
FuzzyDiff	36	0.0991736	0.6942149
GenericWrapper	102	0.2809917	1.9669421
HighResPrecursorMassCorrector	248	0.6831956	4.7823691
IDConflictResolver	157	0.4325069	3.0275482
IDDecoyProbability	2	0.0055096	0.0385675
IDEvaluatorGUI	31	0.0853994	0.5977961
IDExtractor	1	0.0027548	0.0192837
IDFileConverter	252	0.6942149	4.8595041
IDFilter	557	1.5344353	10.7410468
IDMapper	420	1.1570248	8.0991736
IDMassAccuracy	19	0.0523416	0.3663912
IDMerger	294	0.8099174	5.6694215
IDPosteriorErrorProbability	241	0.6639118	4.6473829
IDRipper	4	0.0110193	0.0771350
IDRTC Calibration	31	0.0853994	0.5977961
IDScoerSwitcher	70	0.1928375	1.3498623
IDSplitter	8	0.0220386	0.1542700
ImageCreator	20	0.0550964	0.3856749
InclusionExclusionListCreator	3	0.0082645	0.0578512
INIUpdater	10	0.0275482	0.1928375
InspectAdapter	32	0.0881543	0.6170799
InternalCalibration	85	0.2341598	1.6391185
IsobaricAnalyzer	38	0.1046832	0.7327824
ITRAQAnalyzer	14	0.0385675	0.2699725
LowMemPeakPickerHiRes	3	0.0082645	0.0578512
LowMemPeakPickerHiRes_RandomAccess	3	0.0082645	0.0578512
LuciphorAdapter	40	0.1101928	0.7713499

	Total Sum	Average per Day	Average per Week
MapAlignerIdentification	131	0.3608815	2.5261708
MapAlignerPoseClustering	203	0.5592287	3.9146006
MapAlignerSpectrum	5	0.0137741	0.0964187
MapNormalizer	15	0.0413223	0.2892562
MapRTTransformer	68	0.1873278	1.3112948
MapStatistics	25	0.0688705	0.4820937
MascotAdapter	32	0.0881543	0.6170799
MascotAdapterOnline	74	0.2038567	1.4269972
MassCalculator	9	0.0247934	0.1735537
MassDeviationScorer	9	0.0247934	0.1735537
MassTraceExtractor	81	0.2231405	1.5619835
MetaboliteSpectralMatcher	14	0.0385675	0.2699725
MetaProSIP	40	0.1101928	0.7713499
MRMMapper	12	0.0330579	0.2314050
MRMTransitionGroupPicker	4	0.0110193	0.0771350
MSGFPlusAdapter	372	1.0247934	7.1735537
MSSimulator	78	0.2148760	1.5041322
MultiplexResolver	52	0.1432507	1.0027548
MyriMatchAdapter	24	0.0661157	0.4628099
MzIdentML_READ_TEST	8	0.0220386	0.1542700
MzMLSplitter	15	0.0413223	0.2892562
MzTabExporter	195	0.5371901	3.7603306
NoiseFilterGaussian	45	0.1239669	0.8677686
NoiseFilterSGolay	66	0.1818182	1.2727273
NucleotideID	1	0.0027548	0.0192837
NucleotideIDAMSDBCreator	1	0.0027548	0.0192837
NucSpectrumGen	3	0.0082645	0.0578512
OMSSAAdapter	149	0.4104683	2.8732782
OpenProXL	22	0.0606061	0.4242424
OpenProXLLF	30	0.0826446	0.5785124
OpenSwathAnalyzer	35	0.0964187	0.6749311
OpenSwathAssayGenerator	54	0.1487603	1.0413223
OpenSwathChromatogramExtractor	55	0.1515152	1.0606061
OpenSwathConfidenceScoring	3	0.0082645	0.0578512
OpenSwathDecoyGenerator	189	0.5206612	3.6446281
OpenSwathFeatureXMLToTSV	42	0.1157025	0.8099174

	Total Sum	Average per Day	Average per Week
OpenSwathFileSplitter	785	2.1625344	15.1377410
OpenSwathMzMLFileCacher	7	0.0192837	0.1349862
OpenSwathRTNormalizer	45	0.1239669	0.8677686
OpenSwathWorkflow	372	1.0247934	7.1735537
OptiQuant	45	0.1239669	0.8677686
PeakInvestigator	5	0.0137741	0.0964187
PeakInvestigatorFetchResults	8	0.0220386	0.1542700
PeakInvestigatorSubmitJob	13	0.0358127	0.2506887
PeakInvestigatorTOPP	1	0.0027548	0.0192837
PeakPickerHiRes	358	0.9862259	6.9035813
PeakPickerIterative	9	0.0247934	0.1735537
PeakPickerWavelet	85	0.2341598	1.6391185
PepNovoAdapter	5	0.0137741	0.0964187
PeptideIndexer	593	1.6336088	11.4352617
PercolatorAdapter	23	0.0633609	0.4435262
PhosphoScoring	20	0.0550964	0.3856749
PrecursorIonSelector	31	0.0853994	0.5977961
PrecursorMassCorrector	4	0.0110193	0.0771350
PreprocessSpectra	2	0.0055096	0.0385675
ProteinInference	7	0.0192837	0.1349862
ProteinQuantifier	182	0.5013774	3.5096419
ProteinResolver	8	0.0220386	0.1542700
PSMFeatureExtractor	24	0.0661157	0.4628099
PSMPrescorer	4	0.0110193	0.0771350
PTModel	31	0.0853994	0.5977961
PTPredict	31	0.0853994	0.5977961
QCCalculator	55	0.1515152	1.0606061
QCEmbedder	16	0.0440771	0.3085399
QCExporter	3	0.0082645	0.0578512
QCExtractor	29	0.0798898	0.5592287
QCShrinker	7	0.0192837	0.1349862
Resampler	5	0.0137741	0.0964187
RNPxlSearch	39	0.1074380	0.7520661
RNPxlXICFilter	8	0.0220386	0.1542700
RTModel	44	0.1212121	0.8484848
RTPredict	48	0.1322314	0.9256198

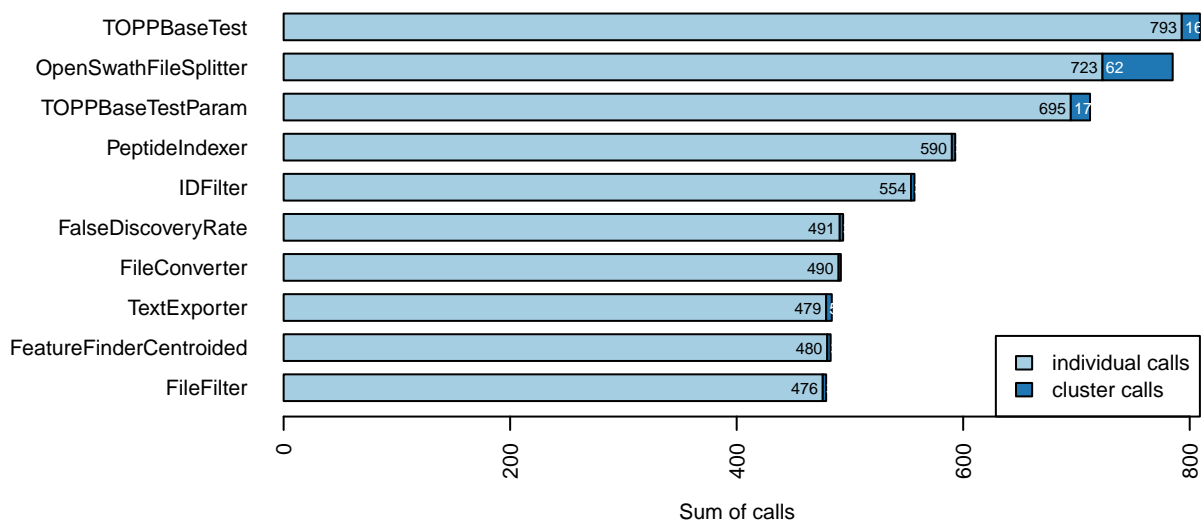
	Total Sum	Average per Day	Average per Week
samcat	5	0.0137741	0.0964187
SeedListGenerator	12	0.0330579	0.2314050
seqan	5	0.0137741	0.0964187
SequenceCoverageCalculator	8	0.0220386	0.1542700
SimpleSearchEngine	7	0.0192837	0.1349862
SiriusAdapter	1	0.0027548	0.0192837
SiriusMSConverter	3	0.0082645	0.0578512
SiriusMzTabWriter	2	0.0055096	0.0385675
SpecLibCreator	1	0.0027548	0.0192837
SpecLibSearcher	2	0.0055096	0.0385675
SpectraFilterBernNorm	2	0.0055096	0.0385675
SpectraFilterIsotopePattern	2	0.0055096	0.0385675
SpectraFilterMarkerMower	1	0.0027548	0.0192837
SpectraFilterNlargest	12	0.0330579	0.2314050
SpectraFilterNormalizer	5	0.0137741	0.0964187
SpectraFilterParentPeakMower	3	0.0082645	0.0578512
SpectraFilterSqrtMower	5	0.0137741	0.0964187
SpectraFilterThresholdMower	8	0.0220386	0.1542700
SpectraFilterWindowMower	90	0.2479339	1.7355372
SpectraMerger	77	0.2121212	1.4848485
SpectraSTCreateAdapter	3	0.0082645	0.0578512
SpectraSTSearchAdapter	5	0.0137741	0.0964187
SymDiffDenovo	47	0.1294766	0.9063361
SymDiffRTDenovo	7	0.0192837	0.1349862
TargetedFileConverter	2	0.0055096	0.0385675
TextExporter	484	1.3333333	9.3333333
TICCalculator	5	0.0137741	0.0964187
TMTAnalyzer	15	0.0413223	0.2892562
TOFCalibration	6	0.0165289	0.1157025
TOPPBaseCmdParseSubsectionsTest	212	0.5840220	4.0881543
TOPPBaseTest	809	2.2286501	15.6005510
TOPPBaseTestNOP	384	1.0578512	7.4049587
TOPPBaseTestParam	712	1.9614325	13.7300275
TopPerc	7	0.0192837	0.1349862
XFDR	27	0.0743802	0.5206612
XMLValidator	9	0.0247934	0.1735537

	Total Sum	Average per Day	Average per Week
xQuest	50	0.1377410	0.9641873
XTandemAdapter	391	1.0771350	7.5399449

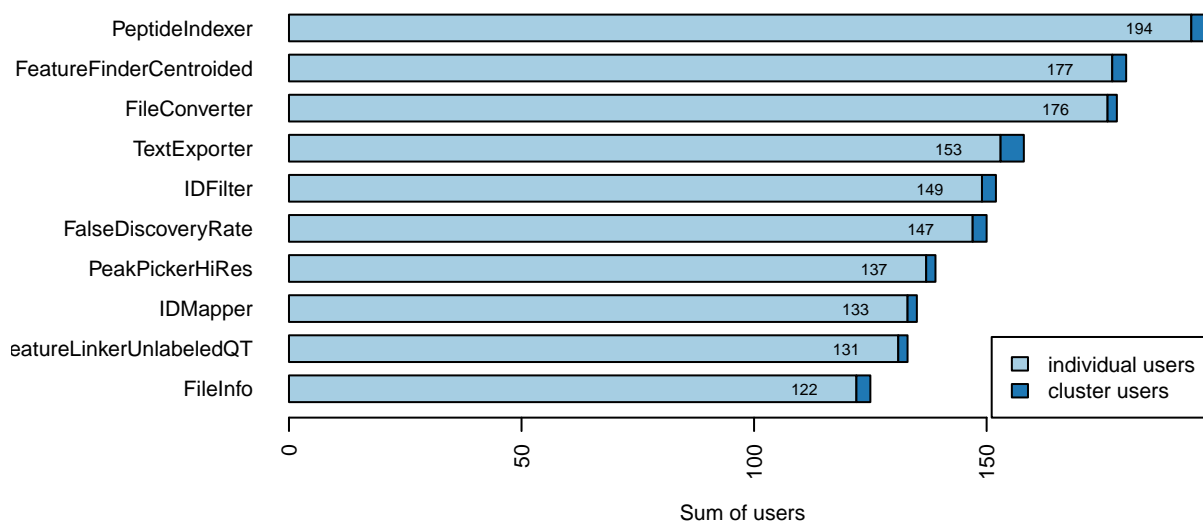
## Top 10 Applications

In the following the data was aggregated by application. The first figure pictures the sum of all calls of each application, while the second shows the number of unique users. The figures differentiate between individual and cluster calls/users. The term 'cluster calls/users' refers to IP addresses that were previously identified as part of a cluster, but left in the dataset as a representative for the corresponding cluster.

**Top 10 Applications based on overall calls**



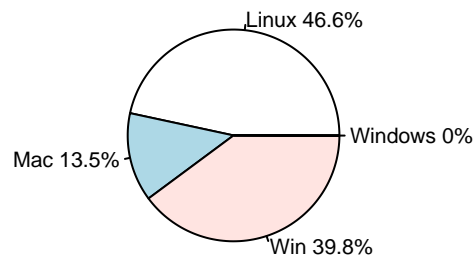
**Top 10 Applications based on overall users**



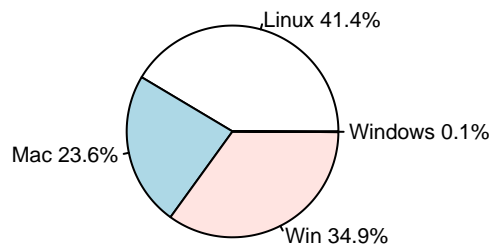
## Operating System

For an overview over the distribution of different operating systems the data was aggregated by column 'os'. As before, the first figure pictures the sum of all calls of each operating system, while the second shows the number of unique users.

**Distribution of Operating Systems  
over 16589 overall Calls**



**Distribution of Operating Systems  
over 958 Unique Users**

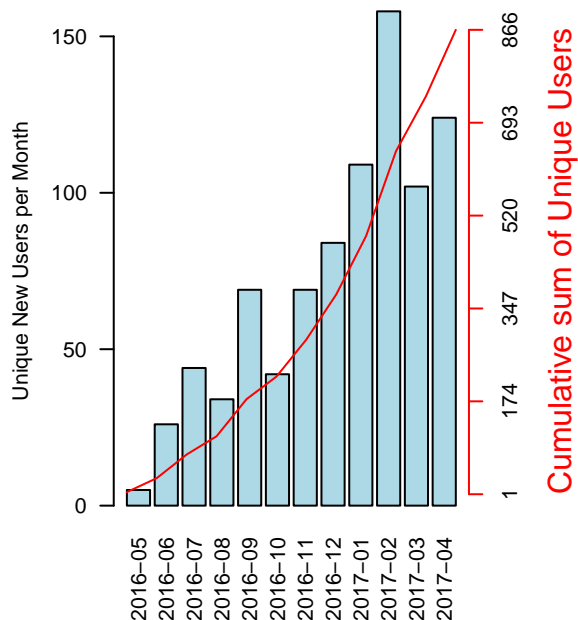




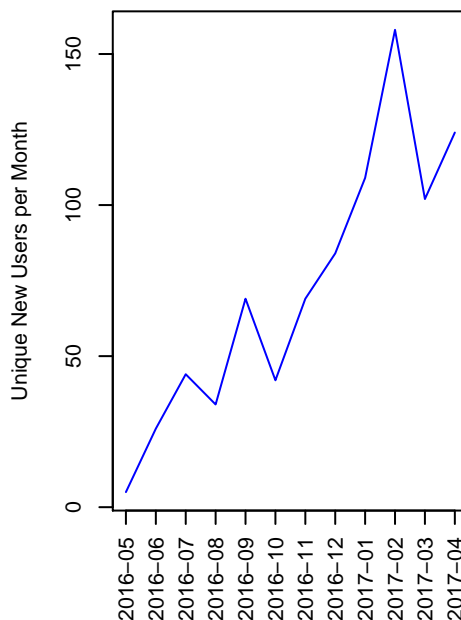
## Unique User Statistic

The bar plots on the left display the unique new users. New Unique users means that each IP Address tracked only appears once in this statistic at the time point of it's first occurrence. The line plot on the right displays the same information as a line instead of bars. The red line on the left plot shows the cumulative sum of the new unique users.

**New (unique) OpenMS User Count per Month**

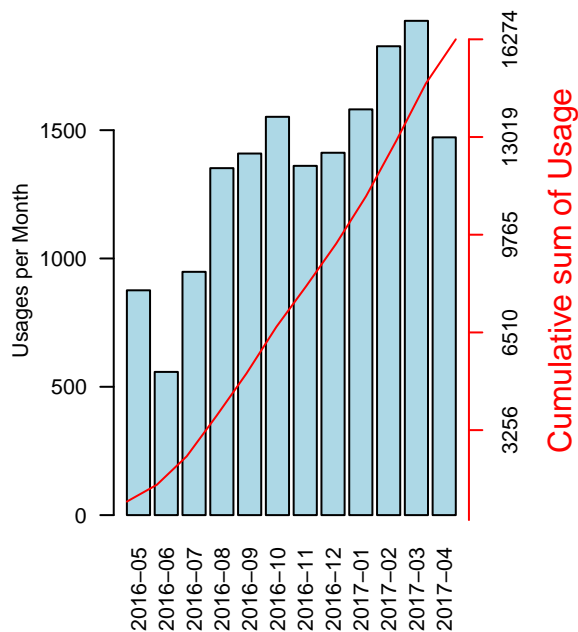


**New (unique) OpenMS User Count per Month**



For comparison the following plots show the total counts of usages (calls) per month, accumulated and as a line plot.

**OpenMS Usage Count per Month**



**OpenMS Usage Count per Month**

