

最初にお読みください

Mascot Server version 2.6 for Windows Release Notes

新規インストール

新規インストールを行う前に、2頁の「最新の追加情報」及び3頁の「Windows OS の各バージョンに対応する注意点」をご覧ください。インストールDVDにある「Mascot_Server_v2.6_新規インストール手順.pdf」書類にしたがってインストールを進めてください。また、インストールDVDにある「manual.pdf」書類の「3. Installation: Windows」も併せてご覧ください。

バージョンアップ

前のバージョン(バージョン2.5 及びそれ以前)からバージョン2.6 にバージョンアップする場合は、インストールDVDにある「Mascot_Server_v2.6_バージョンアップ手順.pdf」書類にしたがってバージョンアップを進めてください。また、インストールDVDにある「manual.pdf」の「3. Installation: Windows」も併せてご覧ください。なお、今まで使用していたライセンスファイルはバージョン2.6では使えませんので、弊社が提供するプロダクトキーを使ってバージョン2.6用のライセンスファイルを新規に取得してください。

新規サポート機能

1. スペクトル・ライブラリ検索

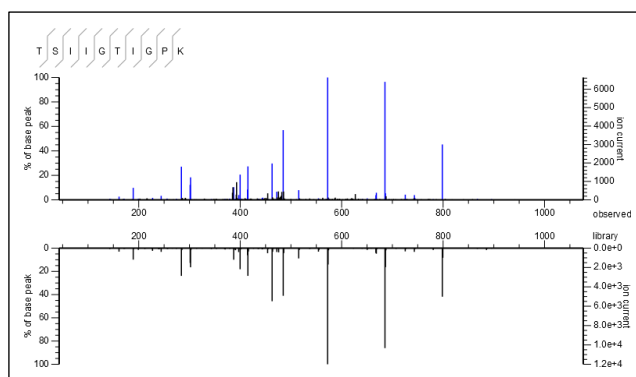
スペクトル・ライブラリ検索機能を実装し、既存の配列データベース検索環境に統合しました。検索エンジンはNIST MSPepSearchを利用しています。

2. スペクトル・ライブラリ作成

お客様が実行したMascot検索の検索結果ファイルからお客様独自のスペクトル・ライブラリを構築することができます。

3. その他

- ・MS2スペクトルにマッチしたペプチド (Peptide Sequence Match : PSM) の数に加えて、異なるアミノ酸配列 (Sequence) の数に対するFDR計算をサポート
- ・デフォルトの検索結果表示を有意なPSMだけを使った内容に変更
- ・Mascot Daemon : コマンドラインによるMascot検索をサポート
- ・その他 (<http://www.matrixscience.com/help/november2016.html>)



バージョン 2.5 からの変更点

4頁にバージョン2.5.0 からの変更点をまとめました。なお、最新の変更点に関しては、「http://www.matrixscience.com/mascot_support_v2.6.html」をご覧ください。

最新の追加情報

2頁をご覧ください。

最新の追加情報

- (1) Mascot Server に関連して動作するサードパーティのプログラムがMascot Server version 2.6に対応していない場合は、スペクトル・ライブラリのリストは表示されず、FASTAデータベースのリストだけが表示されます。
- (2) お客様が作成したPerlスクリプトやサードパーティのプログラムに対するヘルパー・スクリプトがMascotフォルダにインストールされている場合、WebサーバがIISであればそのまま動作すると思ますが、Apacheを使っている場合は動作しません。Mascot Server version 2.6では「Private」コピーとしてのPerlを内蔵していますので、スクリプトのshebangラインを

```
#!/usr/local/mascot/perl64/bin/perl
```

に変更してください。

Windows OS の各バージョンに対応する注意点

- (1) 32ビット版のWindows、Windows XP、Windows Server 2003はサポートしていません。

バージョン 2.5.0 からの変更点

次の表ならびに http://www.matrixscience.com/mascot_support_v2_6.html をご覧ください。

| ID | Component | Description |
|-------|-----------|---|
| 4487 | Daemon | Daemon needs status line |
| 4504 | Daemon | Columns in status tab are all string sort |
| 5484 | Server | Add options for which columns to display in ms-review.exe |
| 5926 | Daemon | Need filters for status tab |
| 6572 | Daemon | Daemon could show search %complete and add a kill button? |
| 6780 | Server | Should include data file name in the search log |
| 6925 | Server | Residue at protein N-term modifications broken |
| 10717 | Daemon | Add "Waiting for completing previous task" to [Schedule] in Task Editor |
| 10763 | Parser | Replace PLPA library with hwloc |
| 11014 | Server | Site analysis could be reported even when only one match |
| 11032 | Server | Report mass delta relative to corrected mass for 13C matches |
| 11147 | Server | Using a predefined definition for, say, NCBI_NA_template makes no sense |
| 11169 | Server | Integrate spectral library search |
| 11178 | Daemon | Mascot security passwords recorded in plain text in the webserver search log |
| 11249 | Daemon | Too many searches being run at once causes search title to recurse |
| 11261 | Daemon | Daemon enters infinite loop when shutdown by the restart manager |
| 11273 | Server | ms-getseq POST request fails if there is a space in an accession. |
| 11324 | Server | Yellow 'popup' in family summary not wide enough |
| 11379 | Server | M00047 The process cannot access the file because it is being used by another process. |
| 11429 | Server | The installer could add an exception to the Windows firewall to allow port 80 access |
| 11436 | Server | Export script caching speedup for huge files when calling from command line |
| 11466 | Server | TargetFDRPercentages is missing from not.mascot.dat |
| 11481 | Parser | Target FDR 1% gives 1.32% and failure, even though 0.91% is possible |
| 11534 | Parser | Description for decoy protein always says random sequence |
| 11636 | Parser | Improve Makefile on Linux |
| 11638 | Server | Database Manager User interface changes |
| 11639 | Server | Show a URL in addition to command-line parameters when showing export_dat_2.pl arguments |
| 11662 | Daemon | Use the -batch command line for nph-mascot to avoid IIS cancelling search if Daemon is stopped. Use client.pl?last_error to get error messages without a %s |
| 11667 | Parser | Output more progress reports when grouping proteins |
| 11690 | Daemon | Could create a result node for every file so as to persist any error message |
| 11697 | Parser | Infinite loop in ms_mascotresfile::readLine() |
| 11725 | Parser | Support public and internal API help documentation for ms_parser. |
| 11732 | Parser | Mascot Server reporting a ratio calculated from two negative numbers |
| 11773 | Parser | Where is query 14 in example iTRAQ search |
| 11778 | Server | Don't recreate Percolator pip file unless really needed |
| 11782 | Server | Search form fails to handle multiple databases in manual error tolerant search |
| 11801 | Server | Tidy up format controls for results with quantitation |
| 11816 | Server | Error message encoding is incorrect |
| 11823 | Server | Confusing command line help describing arguments for ms-createtpip.exe |
| 11829 | Parser | ProteinsInResultsFile setting 2 test should be greater than or equal |
| 11830 | Server | Roll-up of changes to Manual, release notes, and HTML pages for 2.6 |
| 11859 | Server | Fatal error generating dendogram |
| 11893 | Server | RESID links need new URL |
| 11897 | Server | Not an ARRAY reference at ../bin/modules/DBManager/Workhorse/DatFileTools.pm |
| 11918 | Server | Want Mascot Security users and groups sorted alphabetically in Daemon etc. |
| 11935 | Server | Bare bones search form doesn't include data file URL |
| 11939 | Server | Config editor rejects legal comp qualifier in quantitation method |

| | | |
|-------|--------|--|
| 11953 | Server | Should be possible to upload licence file to Mascot Server |
| 11966 | Server | Spectrum Viewer colours should be configurable in mascot.dat |
| 11985 | Server | Google / Chrome translate causes search submission to fail |
| 11986 | Server | Setting SplitNumberOfQueries to 100 or 10 can crash mascot. |
| 11988 | Server | Unimod and masses sections in results files are confusing for BZX and UOJ |
| 11991 | Server | CGI executables and scripts fail to reference favicon.ico in HTML head |
| 11992 | Server | Export of metabolic quantitation search results incorrect |
| 11994 | Server | Highlight matches to Mr(calc) rounded to given number of decimal places |
| 12001 | Server | Command line args for export should not include a session ID |
| 12003 | Server | The formver=1 search form is broken for PMF |
| 12007 | Server | Replace the ions score cut-off edit box with a checkbox |
| 12018 | Parser | No reliable way to reject one hit wonders in quantitation |
| 12022 | Parser | GCC warnings in Parser, which may or may not be relevant |
| 12026 | Parser | When results file has hundreds of thousands of protein hits, caching has gaps between progress messages |
| 12032 | Daemon | Cannot submit searches to IIS when NTLM authentication enabled |
| 12036 | Parser | Need to be able to search for individual ET mods |
| 12037 | Parser | New colour settings in mascot.dat for Spectrum Viewer |
| 12039 | Server | custom XML fails to validate |
| 12043 | Daemon | Roll-up of feature requests for Daemon 2.6 taken from testing 2.5.1 Twiki pages |
| 12045 | Server | When patching 2.5, the mascot¥config¥unimod¥usermod.xml file gets overwritten by the default one |
| 12046 | Server | Remove usermod.xml and daemon_2.5_0_setup.exe from the shipper image |
| 12047 | Daemon | Roll-up of errors to be fixed in Daemon 2.6 taken from testing 2.5.1 Twiki pages |
| 12053 | Parser | Need example for protein family grouping |
| 12059 | Server | Distiller memory efficient multi-file project broken if server 2.5.x running in cluster mode and search has more queries than SplitNumberOfQueries |
| 12060 | Server | Percolator problems |
| 12062 | Server | Database configuration details appear to hang if FASTA file is huge and not really a FASTA file |
| 12065 | Server | Export of large result file takes forever |
| 12066 | Parser | ms_databases should inherit from ms_customproperty |
| 12068 | Server | MS Data File path gets lost on repeat search |
| 12069 | Server | Clean up usermod.xml when creating new unimod.xml |
| 12070 | Server | Merge changes to elements and mod_bricks from usermod.xml into unimod.xml |
| 12085 | Server | In Report builder filtering a report on a modification (acetylation) hangs in a loop |
| 12096 | Server | Incorrect message: Parse rule produces duplicate accessions |
| 12099 | Server | Reports slow for EST databases with thousands of sameset proteins |
| 12101 | Parser | Support C# in Mascot Parser (using SWIG) |
| 12104 | Server | Ensure new Javascript files are sent to the browser after Mascot update |
| 12106 | Parser | Test harness: format the exponent of doubles identically on both Linux and Windows |
| 12108 | Server | Elapsed time displayed incorrectly |
| 12109 | Daemon | Merge DTA fails if line endings not DOS |
| 12116 | Daemon | UNC filename corruption |
| 12121 | Parser | Mascot security doesn't allow multiple Fasta files to be specified in multiple groups |
| 12123 | Server | offer choice of PSMs or distinct peptide sequences for FDR calculation |
| 12125 | Server | Auto decoy not working for NA database |
| 12128 | Daemon | Auto export fails for Mascot DAT File and MGF Peak List |
| 12129 | Server | Don't autorefresh when uploading FASTA file in Database Manager |
| 12134 | Server | mzIdentML export of retention time broken |
| 12136 | Server | Shapiro-Wilk never succeeds for a very large sample |
| 12137 | Server | Enable AA + NA searches |
| 12141 | Server | Protein mass is not nominal |
| 12151 | Daemon | Add link to open containing directory for cached files |
| 12154 | Server | Split by query cluster mode fails if data per node > 2Gb |
| 12156 | Server | Never see combinations of certain mods |

| | | |
|-------|--------|--|
| 12158 | Server | Crash in nph-cache_families.pl if search has multiplex peptide match with a variable mod that has no 0 Da neutral loss |
| 12161 | Daemon | Export defaults should be taken from mascot.dat |
| 12162 | Server | Add a re-compress link |
| 12165 | Parser | iTRAQ broken if ITOLU=ppm |
| 12168 | Server | Large peptide ratio values are not being formatted correctly in master_results_2.pl |
| 12170 | Server | Integrate spectral library searches |
| 12171 | Parser | Read library matches from new library_summary and library_matches sections |
| 12172 | Parser | Do protein inference with both database and library matches |
| 12173 | Parser | Changes to mascot.dat for spectral libraries |
| 12174 | Parser | New mascot.dat Options for library search and compression tool configuration |
| 12175 | Server | Estimate library match significance from library score distribution |
| 12176 | Server | Map library sequences to protein accessions at the end of the search |
| 12177 | Server | Parse and convert NIST library search results into Mascot or internal format |
| 12178 | Server | Search a spectral library in parallel with the main database search |
| 12179 | Server | Compress spectral libraries |
| 12180 | Server | Allow creating, editing and deleting spectral library definitions |
| 12181 | Server | Allow searching multiple AA and NA databases and spectral libraries |
| 12182 | Server | Display a combined database and library search report |
| 12183 | Server | Display library and observed spectra for a library match |
| 12184 | Server | Display library protein hits correctly |
| 12188 | Server | New tool for importing search results into a spectral library |
| 12191 | Server | mzML file that causes a crash on public web site |
| 12208 | Server | Write a perl script that deletes old cache files and compresses .dat files |
| 12212 | Parser | index error in ms_mascotoptions::isDefaultTargetFDRPercentage |
| 12216 | Daemon | Completed search details added repeatedly to MySQL TaskDB after connection problem |
| 12220 | Server | Default column width for priority for ms-review.exe is 2, but needs to be 4 |
| 12222 | Parser | Access to new HTTP classes from Perl is not possible and documentation needs improving. |
| 12227 | Daemon | Uninstall and reinstall gives message: "ABSciexMSDC not available" |
| 12230 | Server | IPC logs displayed in search progress page |
| 12232 | Parser | Top scoring peptide matches missing from some queries in merged results |
| 12236 | Server | Fixes to mzIdentML 1.1 compliance |
| 12237 | Server | Crash on Mascot Server with small error tolerant search in cluster mode and specificities per group |
| 12239 | Daemon | Mods are being split on an internal comma within a mod name |
| 12241 | Server | GetSeq and GetTaxonomy too slow |
| 12244 | Parser | Occasional failure to write session files for IP address and computer name |
| 12260 | Daemon | Changes to support MDRO 2.5.1 (or 2.6.0) |
| 12264 | Server | Can't locate object method "!isMissing" when sorting p-value column in Report Builder |
| 12265 | Parser | Parser class ms_http_helper needs to support https |
| 12266 | Server | Procedure to create results cache files needs to delete *.flg file |
| 12269 | Server | mods duplicated in result file if fixed and variable have overlapping specificities |
| 12272 | Server | SVG graphic fails to appear due to parenthesis in mod name |
| 12281 | Parser | Java interface improvements |
| 12282 | Server | clarify statement on MS MS Results Interpretation help page |
| 12286 | Server | Crash on public website with error tolerant search (Probably only Linux) |
| 12288 | Server | Display library status in ms-status.exe |
| 12291 | Parser | Add a common logging interface to msparser |
| 12293 | Server | Handle database definitions of type MSP in matrixlib |
| 12307 | Server | Need to look at ET search speed optimisation |
| 12310 | Server | GI sequence identifiers are being phased out at NCBI |
| 12311 | Server | In batch mode, mascot.dat options for security rights for creating daily directory are ignored |
| 12317 | Parser | ET search scores and mod counts look wrong |
| 12318 | Parser | Support reading, parsing and indexing of NIST msp files |
| 12321 | Server | When did you last see a grey block? |
| 12334 | Server | Misc. Installer changes for Server 2.6 |

| | | |
|-------|--------|---|
| 12335 | Daemon | Changes to support spectral library search |
| 12336 | Server | ms-gettaxonomy.exe overflow |
| 12347 | Daemon | It is possible to clear the taxonomy combo box in the parameter editor |
| 12349 | Parser | Extend Percolator calculations to all ranks |
| 12351 | Server | Can't call method "should_do" on unblessed reference at ../bin/modules/DBManager/WWW/Database.pm line 1625. |
| 12354 | Parser | ms_ms1quantitation can't handle quantified unassigned peptide matches |
| 12355 | Server | Protein View: "cannot find None in mascot.dat" when UniGene=None |
| 12357 | Server | Installer needs to disable Timer_MinBytesPerSecond test in IIS |
| 12364 | Parser | Error tolerant search reports junk matches and average threshold score of 0 |
| 12366 | Daemon | Need way to specify output path for generic import filter |
| 12367 | Parser | Parser test differences since build server started |
| 12369 | Daemon | Button to copy parameter name and path from Parameter Editor to "Parameter set" field in Task Editor tab |
| 12370 | Server | Mascot test differences since build server started |
| 12374 | Parser | Add peak list data file name in search log |
| 12375 | Daemon | Request visual indicator on task editor tab that shows whether auto export or external process options are set. |
| 12380 | Server | mascot.dat changes when clicking Choose accession parse rule |
| 12381 | Daemon | Daemon could bypass web server for large files when running on the Mascot Server |
| 12384 | Server | Database Manager cannot stat FASTA file if it is actually a dead symbolic link |
| 12385 | Server | Disallow creating a database whose name differs from an existing one only by case |
| 12388 | Daemon | Distiller registration is broken on 64-bit systems |
| 12390 | Daemon | Add export and import for TaskDB |
| 12391 | Parser | Add ms_mascotresults_params object and new constructors to use it |
| 12395 | Parser | Need method to merge ms1 quantitation data in ms_ms1quantitation |
| 12404 | Server | Use VS2012 for building Mascot Server (was 2005). Also use Perl Parser modules built with VS2012 |
| 12405 | Parser | mzIdentML export of fragment matches fails if ITOL is ppm |
| 12408 | Parser | Add XML_SCHEMA_DIRECTORY option to ms_mascotresfile getXMLschemaFilePath |
| 12414 | Parser | Support Python 3 |
| 12415 | Server | decoy_type should be printed per database instead of per search |
| 12416 | Server | Display mixed AA and NA searches correctly |
| 12419 | Server | db_manager.log doesn't roll over correctly when it reaches maximum size |
| 12422 | Server | Inconsistent decoy results when searching 2 databases with different number of threads |
| 12427 | Server | If ms-monitor.exe can't create mascot.control, it core dumps |
| 12428 | Parser | Create Python scripts for the Parser Documentation |
| 12430 | Parser | Score distribution does not include ET matches and the values look wrong |
| 12431 | Parser | Support Visual Studio 2015 |
| 12433 | Parser | http_client must work on Linux |
| 12434 | Server | When unimod files access is denied, no error is displayed |
| 12438 | Parser | Supply Perl, Python and Java modules built using VS2012 rather VS2005/VS2008 |
| 12444 | Server | matrix lib function getFileLength on Windows reports zero length file when it is being written to |
| 12448 | Parser | Cache file with missing quantitation if errors due to missing xsd file |
| 12449 | Parser | Classes that inherit from ms_errors with a copy constructor don't copy the base ms_errors object |
| 12451 | Server | Change http://xxx/mascot/x-cgi/ms-status.exe?Show=REGPRODUCTKEY to be clearer |
| 12456 | Parser | Add new bool parameter to the ms_masses ms_umod_configfile constructor |
| 12458 | Parser | Inconsistent handling of whitespace in user parameters between cache and non-cache mode |
| 12460 | Parser | Set: WARN_NO_PARAMDOC = YES in msparser.doxy |
| 12463 | Server | Under Windows, calls to _findfirst, _findnext, _findclose use wrong parameter type |
| 12468 | Parser | Add isSameAs(...) comparison method to ms_umod_modification class and encapsulated dependant classes |
| 12469 | Server | Spectral library changes for 3rd party API |
| 12476 | Daemon | Enable quant xml export |
| 12477 | Server | Existence check for retention times in reports and ms-createtpip.exe needs to consider all rtinseconds values |
| 12480 | Server | Support Percolator 3.0 |

| | | |
|-------|--------|---|
| 12481 | Daemon | Should have different user agent strings for GUI and engine |
| 12488 | Server | NCBI web site is dropping HTTP in September 2016 |
| 12497 | Parser | New overloaded method <code>ms_inputquery::getRetentionTimes()</code> for reading all <code>rtinseconds</code> values |
| 12498 | Parser | Duplicate should be selected by expectation values |
| 12500 | Server | Rename "weighted" protein ratio to "summed intensities" |
| 12501 | Server | Ownership and permissions of current directory are not inherited correctly from <code>mascot/sequence</code> |
| 12507 | Server | <code>mzIdentML1.1.0.xsd</code> missing from shippers |
| 12508 | Parser | <code>mascot.dat</code> setting for ions score cutoff checkbox / edit box |
| 12509 | Server | Peptide containing residue with zero mass gets zero ions score |
| 12512 | Server | Don't allow double quotes in accessions when choosing parse rules |
| 12516 | Server | Corrupt session file causes <code>ms-monitor.exe</code> general protection fault |
| 12518 | Server | Database Manager reports too many false positives for synchronisation |
| 12519 | Server | Do not print undefined Protocol Reporter values in Quantitation method configuration |
| 12520 | Server | Configuration Editor must read data from <code>usermod</code> in priority and J, O and U should always be editable |
| 12521 | Server | Don't allow double quotes in accessions when compressing database |
| 12528 | Server | Show detailed task log in reverse chronological order |
| 12532 | Server | Don't try to autoscroll to the most recently expanded or collapsed page fragment |
| 12536 | Server | When changing database type between AA and NA, use the new recompress facility of <code>ms-status.exe</code> instead of trying to delete the <code>.stats</code> file |
| 12540 | Server | Add a simple recompression interface to <code>ms-status.exe</code> |
| 12560 | Parser | Error saved in a cache file is repeated |
| 12562 | Server | Multi-cpu build issues [Don't include in release notes] |
| 12564 | Server | Change default Protein Ratio Type from 'weighted' to 'average' in reporter quantitation methods |
| 12566 | Server | <code>nph-mascot</code> crashes when using a database which requires newer taxonomy than the installed one |
| 12571 | Parser | Need SDK 80 release of Parser for the Mascot Installer. [Don't add to release notes] |
| 12576 | Server | Default Windows <code>httpd.conf</code> changes |
| 12577 | Server | Changes to Linux 2.6 installer |
| 12578 | Parser | Changes to <code>updateForInstaller()</code> for Mascot Server / Parser 2.6 |
| 12582 | Server | Read <code>config/db_manager/postinstall.conf</code> and add or enable missing databases |
| 12583 | Server | Failure to remove updated URL parameters after using the finder toolbar causes, in some cases, a redirect loop |
| 12584 | Server | "Bad Request" under IIS when giving an invalid value as <code>_sigthreshold</code> in Protein Family Summary |
| 12588 | Server | Disabling a database and changing its parse rule numbers at the same time causes <code>ms-monitor.exe</code> to barf |
| 12594 | Server | Need a new <code>ms-status.exe</code> command for returning the path to the <code>.msp</code> or <code>.fasta</code> file |
| 12596 | Server | <code>nph-mascot.exe</code> hangs at the end of <code>pmf</code> search |
| 12597 | Server | When synchronising or importing a database definition with a UniGene index, fatal error when trying to warn that the UniGene index doesn't exist |
| 12601 | Server | Protein View causes warning "Negative taxID -1 is not valid for <code>ms-gettaxonomy.exe</code> " |
| 12602 | Server | Score histogram is empty when the score list is all -1's |
| 12604 | Parser | <code>ms_inputquery::fillPeakList()</code> fails to parse a peak list if it contains no colons |

何かお困りのことがありましたら support-jp@matrixscience.com (技術サポート)にご連絡ください。



マトリックスサイエンス株式会社

電子メール: info-jp@matrixscience.com

電話: 03-5807-7895

ファクシミリ: 03-5807-7896

住所: 〒110-0015 東京都台東区東上野1-6-10 ARTビル1階