

LEGEND:

CORE: General

CORE: Scan Data

MODULE: .MS2

CORE: Search Data

MODULE: SEQUEST

MODULE: ProLuCID

MODULE: Percolator

MODULE: X! Tandem

msSequenceDatabaseDetail		
PK	id	INTEGER
	serverAddress	VARCHAR(100)
	serverPath	VARCHAR(500)
	sequenceLength	INTEGER
	proteinCount	INTEGER

msSearchDatabase		
PK,FK3	searchID	INTEGER
PK,FK2	databaseID	INTEGER

SQTParams		
PK	id	INTEGER
FK1	searchID	INTEGER
	param	value
		INTEGER
		VARCHAR(255)
		TEXT(10)

msSearchEnzyme		
PK,FK2	searchID	INTEGER
PK,FK1	enzymeID	INTEGER

msDigestionEnzyme		
PK	id	INTEGER
	name	VARCHAR(255)
	sense	SMALLINT
	cut	VARCHAR(20)
	nocut	VARCHAR(20)
	description	TEXT(32000)

msRunEnzyme		
PK,FK2	runID	INTEGER
PK,FK1	enzymeID	INTEGER

msRunLocation		
PK	id	INTEGER
FK1	runID	INTEGER
	serverAddress	VARCHAR(500)
	serverDirectory	VARCHAR(500)
	createDate	DATETIME

MS2FileHeader		
PK	id	INTEGER
FK1	runID	INTEGER
	header	value
		VARCHAR(255)
		VARCHAR(2000)

MS2FileChargeIndependentAnalysis		
PK	id	INTEGER
FK1	scanID	INTEGER
	header	value
		VARCHAR(255)
		TEXT(2000)

MS2FileScanCharge		
PK	id	INTEGER
FK1	scanID	INTEGER
	charge	mass
		SMALLINT
		DECIMAL(18,9)

MS2FileChargeDependentAnalysis		
PK	id	INTEGER
FK1	scanChargeID	INTEGER
	header	value
		VARCHAR(255)
		TEXT(2000)

msSearchTerminalStaticMod		
PK	id	INTEGER
FK1	searchID	CHAR(10)
	terminus	CHAR(1)
	modifier	DECIMAL(18,9)

msSearchStaticMod		
PK	id	INTEGER
FK1	searchID	INTEGER
	residue	CHAR(1)
	modifier	DECIMAL(18,9)

msSearchDynamicMod		
PK	id	INTEGER
FK1	searchID	INTEGER
	residue	CHAR(1)
	modifier	DECIMAL(18,9)
	symbol	CHAR(1)

msSearchTerminalDynamicMod		
PK	id	INTEGER
FK1	searchID	INTEGER
	terminus	CHAR(1)
	modifier	DECIMAL(18,9)
	symbol	CHAR(1)

msDynamicModResult		
PK,FK2	modID	INTEGER
PK,FK1	resultID	INTEGER
PK	position	SMALLINT

msTerminalDynamicModResult		
PK,FK2	modID	INTEGER
PK,FK1	resultID	INTEGER

SQTFileHeader		
PK	id	INTEGER
FK1	runSearchID	INTEGER
	header	value
		VARCHAR(255)
		VARCHAR(2000)

msRunSearch		
PK	id	INTEGER
FK1	runID	INTEGER
FK2	searchID	INTEGER
	originalFileType	VARCHAR(10)
	searchDate	DATETIME
	searchDuration	INTEGER
	uploadDate	DATETIME

SQTspectrumData		
PK,FK1	scanID	INTEGER
PK,FK2	runSearchID	INTEGER
PK	charge	SMALLINT
	processTime	INTEGER
	serverName	VARCHAR(50)
	totalIntensity	DECIMAL(18,9)
	observedMass	DECIMAL(18,9)
	lowestSP	DECIMAL(10,5)
	sequenceMatches	INTEGER

msRun		
PK	id	INTEGER
	filename	VARCHAR(255)
	sha1Sum	CHAR(40)
	creationTime	VARCHAR(255)
	extractor	VARCHAR(255)
	extractorVersion	VARCHAR(255)
	extractorOptions	VARCHAR(255)
	instrumentType	VARCHAR(255)
	instrumentVendor	VARCHAR(255)
	instrumentSN	VARCHAR(255)
	dataType	VARCHAR(255)
	acquisitionMethod	VARCHAR(255)
	originalFileType	VARCHAR(10)
	separateDigestion	CHAR(1)
	uploadDate	DATETIME
	comment	TEXT(2000)

msScan		
PK	id	INTEGER
FK1	runID	INTEGER
	startScanNumber	INTEGER
	endScanNumber	INTEGER
	level	SMALLINT
	preMZ	DECIMAL(18,9)
	preScanID	INTEGER
	preScanNumber	INTEGER
	retentionTime	DECIMAL(10,5)
	fragmentationType	CHAR(3)
	isCentroid	CHAR(1)
	peakCount	INTEGER

msScanData		
PK,FK1	scanID	INTEGER
	data	BINARY(10)

SQTSearchResult		
PK,FK1	resultID	INTEGER
	XCorrRank	INTEGER
	spRank	INTEGER
	deltaCN	DECIMAL(10,5)
	XCorr	DECIMAL(10,5)
	sp	DECIMAL(10,5)
	calculatedMass	DECIMAL(18,9)
	matchingIons	INTEGER
	predictedIons	INTEGER
	evalue	DOUBLE

msRunSearchResult		
PK	id	INTEGER
FK1	runSearchID	INTEGER
FK2	scanID	INTEGER
	charge	SMALLINT
	peptide	VARCHAR(500)
	preResidue	CHAR(1)
	postResidue	CHAR(1)
	validationStatus	CHAR(1)

msProteinMatch		
PK,FK1	resultID	INTEGER
PK	proteinID	INTEGER

