

Description of Columns in „InfectXKinomeData-RawData“

Each row corresponds to a well.

Column Name	Description
Barcode	Bar code and unique identifier for plates.
WellRow	Well row on the plate.
WellColumn	Well column on the plate.
WellName	Full well row and well column on the plate.
GeneID	Entrez gene unique identifier for the siRNA target gene.
GeneName	Abbreviation of the gene name.
Pathogen	Abbreviations for the pathogen names: ADENO = <i>Adenovirus</i> , BARTONELLA = <i>Bartonella henselae</i> , BRUCELLA = <i>Brucella abortus</i> , LISTERIA = <i>Listeria monocytogenes</i> , RHINO = <i>Rhinovirus</i> , SALMONELLA = <i>Salmonella typhimurium</i> , SHIGELLA = <i>Shigella flexneri</i> and VACCINIA = <i>Vaccinia virus</i> .
OpenBIS_link	Link to microscope images of the well.
PlateType	Screening plate (plate with siRNAs) or CheckerBoard plate (test and quality control plate).
WellType	siRNA (well with siRNA) and Control (well with control).
ControlType	Description of control well.
siRNAManufacturer	Manufacturer of the siRNA.
Caralog_number	Catalog number of the siRNA
siRNAMaterialCode	Catalog number of the siRNA combined with manufacturer name
siRNAType	Pooled or Upooled library.
siRNAError	OK or predicted error: MultipleTargets (several predicted gene targets), NoTargets (no predicted targets at all), PooledSiRNAError (error in any of the single siRNAs in pool).
GeneIDManufacturer	Entrez GeneID provided by the manufacturer.
PlateQualityStatus	Quality status of the plate: BAD (plate is known to be bad), UNKNOWN (not explicitly checked), GOOD (explicitly checked to be error free plate).
WellQualityStatus	Quality status of the well: BAD (well is known to be bad), UNKNOWN (not explicitly checked), GOOD (explicitly checked to be error free well).
dInfectionSVM_eIndex_nRaw	Non-normalized infection index calculated using Support Vector Machines algorithm.
dInfectionThresholded_eIndex_nRaw	Non-normalized infection index calculated using DTIS algorithm.
eCount_oCells_nRaw	Non-normalized cell number of the well.
dInfectionSVM_eIndex_nZScore	Z-Score-normalized infection index calculated using Support Vector Machines algorithm.
dInfectionThresholded_eIndex_nZScore	Z-Score-normalized infection index calculated using DTIS algorithm.
eCount_oCells_nZScore	Z-Score-normalized cell number of the well.
dInfectionSVM_eIndex_nLowessZScore	Lowess-normalized infection index calculated using Support Vector Machines algorithm.
dInfectionThresholded_eIndex_nLowessZScore	Lowess-normalized infection index calculated using DTIS algorithm.