Stimuli samples analyzes for FreezerPro import

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File informations

QC of a file generated to import Stool aliquot sample information into FreezerPro.

- **Filename**: TC_supernatants_samples.csv
- **file creation date:** 2016-08-03
- **number of rows:** 152824
- **number of columns:** 23
- **column names:** Freezer, Level1, Level1_Desc, Level2, Level2_Desc, Level3, Level3_Desc, Box, BoxType, DonorInfos, donor_start, donor_stop, DonorID, Position, AliquotID, VisitID, StimulusID, BarcodeID, BatchID, Type, Volume, RackID, OriginalDonorID

Data informations

Freezers

Expect each Freezer is assign to it respective barcode.

Freezer	# tubes
1532	72068
1534	45045
1535	35711

Comment: missing column **FreezerBarcode**, need to be generated in Python script?

Sample box type

Type	BoxType	# tubes
PLASMA_04H	96 (12 x 8) Well Plate	31266
PLASMA_22H	96 (12 x 8) Well Plate	121558

Comment: expect each sample is assign to the expected Box Type for FreezerPro.

Shelves

Expect each Shelf is assign to the expected barcode.

Level1	# tubes
Shelf 1	41358

Level1	# tubes
Shelf 2	42259
Shelf 3	69207

Comment: missing column **ShelfBarcode**, need to be generated in Python script?

Racks

Level2	# tubes
Donors 001>>096	8730
Donors 001>>096 | Donors 101>>195	14740
Donors 101>>196	8600
Donors 201>>296	8820
Donors 203>>293 | Donors 304>>394	14337
Donors 301>>396	8526
Donors 401>>496	7776
Donors 402>>497 | Donors 507>>597	13546
Donors 501>>596	8439
Donors 601>>696	7680
Donors 604>>695 | Donors 701>>796	13398
Donors 701>>796	8342
Donors 801>>896	8352
Donors 802>>896 | Donors 901>>992	13186
Donors 901>>996	8352

Comment: missing racks:

- Donors X97>>X00 (in Shelf 1)
- Donors X48>>X50 (in Shelf 3)

Level1	Level2	# tubes
Shelf 1	Donors 001>>096	8730
Shelf 1	Donors 201>>296	8820
Shelf 1	Donors 401>>496	7776
Shelf 1	Donors 601>>696	7680
Shelf 1	Donors 801>>896	8352
Shelf 2	Donors 101>>196	8600
Shelf 2	Donors 301>>396	8526
Shelf 2	Donors 501>>596	8439
Shelf 2	Donors 701>>796	8342
Shelf 2	Donors 901>>996	8352
Shelf 3	Donors 001>>096 | Donors 101>>195	14740
Shelf 3	Donors 203>>293 | Donors 304>>394	14337

Level1	Level2	# tubes
Shelf 3	Donors 402>>497 | Donors 507>>597	13546
Shelf 3	Donors 604>>695 | Donors 701>>796	13398
Shelf 3	Donors 802>>896 | Donors 901>>992	13186

Comment: missing racks:

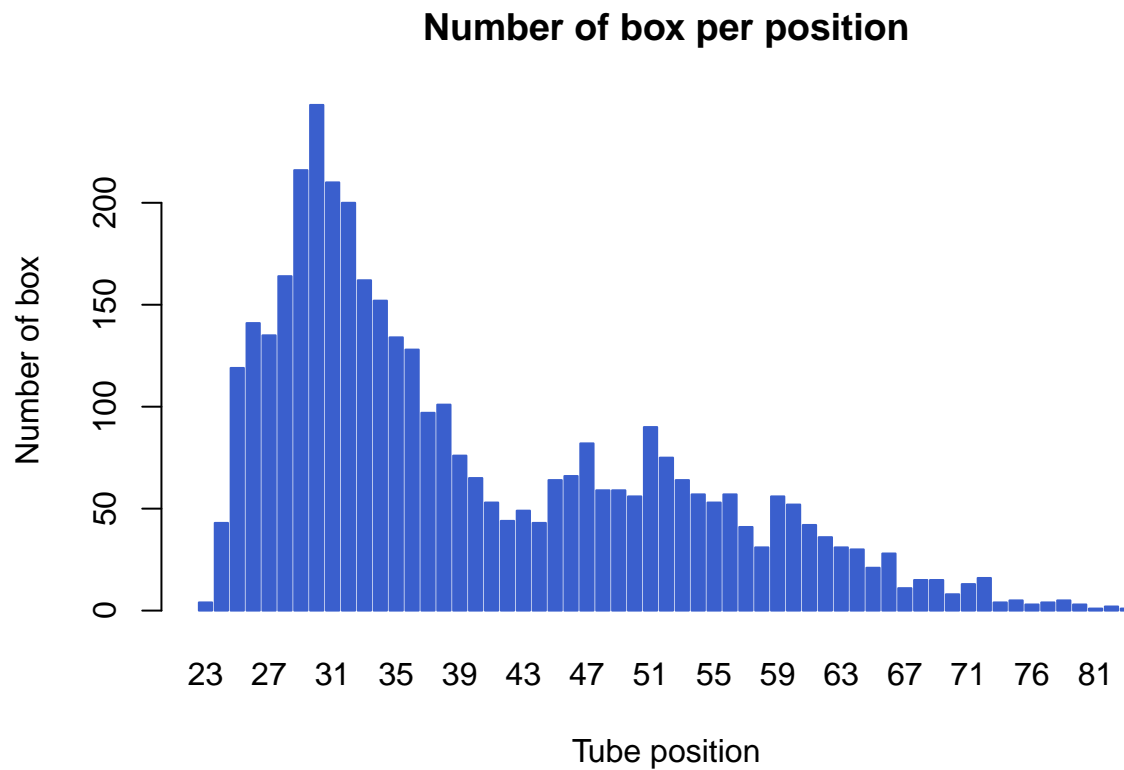- Donors X97>>X00 (in Shelf 1)
- Donors X48>>X50 (in Shelf 3)

Box infos

Box	# tubes
box 1	4998
box 10	3386
box 11	4726
box 12	2907
box 13	4332
box 14	3299
box 15	4628
box 16	2954
box 17	4680
box 18	2858
box 19	4673
box 2	3203
box 20	2913
box 21	4580
box 22	3340
box 23	4384
box 24	2720
box 25	4627
box 26	3440
box 27	4534
box 28	2424
box 29	4727
box 3	4567
box 30	3247
box 31	4627
box 32	2913
box 33	4138
box 34	3337
box 35	4719
box 36	2719
box 37	4619
box 38	3049
box 39	4478
box 4	3000
box 40	2812

Box	# tubes
box 5	4820
box 6	3293
box 7	4861
box 8	2524
box 9	4768

Comment:

Box position

Number of box per position

Comment:

Donor data in function of volume

Var1	Freq
400	152824

Comment:

Donor infos

Number of lines: 152824

Number of unique DonorID: 962

Number of unique OriginalDonorID: 973

Number of changed DonorID: 11

Comment: possibly missing DonorID/OriginalDonorID. Due to freezer mapping management? Need to review rack names for supernatants?