

**Table S1.** CFU and RLU for *in vitro* sensitivity and inclusivity (Table 1)

| Strain           | Target CFU | CFU <sup>1</sup> | Control RLU |          |          | Selective RLU |          |          |
|------------------|------------|------------------|-------------|----------|----------|---------------|----------|----------|
|                  |            |                  | Well 1      | Well 2   | Well 3   | Well 1        | Well 2   | Well 3   |
| BAA-44           | 10         | 3                | 14110       | 66460    | 31470    | 18440         | 56720    | 25170    |
| BAA-44           | 100        | 28               | 476000      | 611800   | 683000   | 476900        | 492800   | 603300   |
| BAA-44           | 1000       | 280              | 9183000     | 9172000  | 7862000  | 5249000       | 5136000  | 4743000  |
| BAA-41           | 10         | 5                | 3969        | 176      | 18070    | 7585          | 3113     | 9434     |
| BAA-41           | 100        | 49               | 508600      | 612900   | 346200   | 113600        | 159700   | 159900   |
| BAA-41           | 1000       | 529              | 14780000    | 15850000 | 17730000 | 5131000       | 5079000  | 5018000  |
| BAA-1761         | 10         | 5                | 866         | 30140    | 49990    | 8856          | 2533     | 4631     |
| BAA-1761         | 100        | 51               | 267900      | 333500   | 306500   | 33880         | 47440    | 60150    |
| BAA-1761         | 1000       | 510              | 6356000     | 4524000  | 5751000  | 1000000       | 1143000  | 1010000  |
| BAA-1720         | 10         | 7                | 83630       | 74490    | 108800   | 52380         | 49230    | 32800    |
| BAA-1720         | 100        | 71               | 811100      | 963600   | 1126000  | 169100        | 238100   | 288100   |
| BAA-1720         | 1000       | 705              | 10260000    | 10190000 | 10290000 | 2976000       | 3258000  | 3571000  |
| 33592            | 10         | 11               | 5623        | 15710    | 6434     | 1418          | 2601     | 2513     |
| 33592            | 100        | 112              | 86640       | 73700    | 63510    | 18660         | 18710    | 25040    |
| 33592            | 1000       | 1115             | 828700      | 903400   | 866900   | 210800        | 193400   | 197000   |
| BAA-1717         | 10         | 10               | 261500      | 240200   | 339200   | 43620         | 2636     | 51360    |
| BAA-1717         | 100        | 98               | 4324000     | 4548000  | 3875000  | 729200        | 690700   | 664100   |
| BAA-1717         | 1000       | 1022             | 32010000    | 30010000 | 33700000 | 9901000       | 9117000  | 11980000 |
| BAA-1683         | 10         | 10               | 62430       | 204100   | 13640    | 100500        | 143500   | 86780    |
| BAA-1683         | 100        | 101              | 1010000     | 1119000  | 1213000  | 1031000       | 831200   | 970100   |
| BAA-1683         | 1000       | 1010             | 11710000    | 11380000 | 12080000 | 11840000      | 9533000  | 10220000 |
| BAA-1707         | 10         | 3                | 158         | 505900   | 108200   | 166           | 166      | 156      |
| BAA-1707         | 100        | 31               | 1738000     | 1349000  | 1459000  | 701000        | 942200   | 1476000  |
| BAA-1707         | 1000       | 278              | 32470000    | 33450000 | 33850000 | 16860000      | 20560000 | 22670000 |
| BAA-1763         | 10         | 7                | 9399        | 14320    | 13450    | 933           | 3832     | 4106     |
| BAA-1763         | 100        | 68               | 250700      | 257700   | 206000   | 16340         | 37160    | 32910    |
| BAA-1763         | 1000       | 675              | 1317000     | 1411000  | 1461000  | 289700        | 326600   | 304100   |
| BAA-1754         | 10         | 14               | 335700      | 460500   | 404900   | 186800        | 251300   | 195400   |
| BAA-1754         | 100        | 137              | 4676000     | 4059000  | 4630000  | 2619000       | 1824000  | 2948000  |
| BAA-1754         | 1000       | 1249             | 39970000    | 43020000 | 45350000 | 23920000      | 23090000 | 23370000 |
| BAA-1768         | 10         | 1                | 1101000     | 1038000  | 346000   | 4526          | 3589     | 172      |
| BAA-1768         | 100        | 14               | 8948000     | 8918000  | 5671000  | 62360         | 53840    | 65240    |
| BAA-1768         | 1000       | 135              | 62560000    | 71830000 | 69130000 | 1195000       | 1206000  | 913700   |
| BAA-1747         | 10         | 11               | 21440       | 26280    | 33830    | 9141          | 15180    | 13110    |
| BAA-1747         | 100        | 105              | 90310       | 138600   | 180700   | 88070         | 77420    | 80040    |
| BAA-1747         | 1000       | 1050             | 676700      | 698800   | 757100   | 335500        | 387200   | 418900   |
| BAA-1764         | 10         | 14               | 332500      | 267300   | 96030    | 169000        | 109000   | 109600   |
| BAA-1764         | 100        | 137              | 2954000     | 3075000  | 2388000  | 1123000       | 1096000  | 1138000  |
| BAA-1764         | 1000       | 1365             | 21630000    | 20130000 | 24990000 | 11590000      | 10320000 | 10430000 |
| BAA-1766         | 10         | 6                | 90370       | 262800   | 200800   | 7756          | 9880     | 1067     |
| BAA-1766         | 100        | 58               | 1641000     | 1763000  | 1984000  | 155500        | 95160    | 223400   |
| BAA-1766         | 1000       | 575              | 30650000    | 27920000 | 31810000 | 2236000       | 1752000  | 2099000  |
| BAA-2094         | 10         | 9                | 424200      | 545500   | 273900   | 127600        | 166500   | 117900   |
| BAA-2094         | 100        | 86               | 4371000     | 4259000  | 4753000  | 1274000       | 830900   | 1051000  |
| BAA-2094         | 1000       | 1172             | 42320000    | 45310000 | 40370000 | 9401000       | 9215000  | 10580000 |
| BAA-42           | 10         | 3                | 646         | 786      | 390      | 165           | 145      | 247      |
| BAA-42           | 100        | 30               | 5895        | 7651     | 6028     | 328           | 457      | 390      |
| BAA-42           | 1000       | 295              | 30870       | 42400    | 34910    | 3511          | 2770     | 4244     |
| BAA-2313         | 10         | 8                | 449000      | 323100   | 603700   | 39570         | 77110    | 16000    |
| BAA-2313         | 100        | 75               | 6515000     | 6700000  | 6655000  | 289200        | 192400   | 141400   |
| BAA-2313         | 1000       | 750              | 53120000    | 54760000 | 56490000 | 4115000       | 3926000  | 3840000  |
| BHI <sup>2</sup> | -          | -                | 148         | 126      | 162      | 115           | 141      | 152      |

<sup>1</sup> CFU were determined by plate counting (in duplicate) for samples with a target of 100 CFU per well and calculated from dilutions for samples with a target of 10 and 1000 CFU. <sup>2</sup> BHI broth was used in place of bacterial culture to identify assay background.

**Table S2.** CFU and RLU for *in vitro* discrimination of MSSA (Table 2)

| Strain           | Target CFU | CFU <sup>1</sup> | Control RLU |           |           | Selective RLU |        |        |
|------------------|------------|------------------|-------------|-----------|-----------|---------------|--------|--------|
|                  |            |                  | Well 1      | Well 2    | Well 3    | Well 1        | Well 2 | Well 3 |
| 6538             | 100        | 43               | 847900      | 1997000   | 1008000   | 130           | 146    | 142    |
| 6538             | 1000       | 425              | 15860000    | 14890000  | 15170000  | 148           | 133    | 153    |
| 6538             | 10000      | 4250             | 151500000   | 153200000 | 158100000 | 183           | 195    | 223    |
| 12600            | 100        | 192              | 3399000     | 3173000   | 4102000   | 136           | 192    | 131    |
| 12600            | 1000       | 1920             | 43220000    | 39030000  | 38470000  | 155           | 775    | 143    |
| 12600            | 10000      | 19200            | 125700000   | 126800000 | 147500000 | 232           | 653    | 160    |
| 14775            | 100        | 166              | 5037000     | 5107000   | 5413000   | 140           | 142    | 151    |
| 14775            | 1000       | 1655             | 66210000    | 60400000  | 64720000  | 110           | 141    | 142    |
| 14775            | 10000      | 16550            | 97360000    | 95240000  | 96340000  | 123           | 131    | 150    |
| 25923            | 100        | 65               | 1977000     | 2553000   | 1673000   | 146           | 116    | 161    |
| 25923            | 1000       | 645              | 25380000    | 22220000  | 25040000  | 121           | 128    | 152    |
| 25923            | 10000      | 6450             | 58650000    | 60290000  | 65420000  | 125           | 143    | 157    |
| 29213            | 100        | 174              | 83090       | 103900    | 99960     | 121           | 130    | 131    |
| 29213            | 1000       | 1740             | 308400      | 296400    | 273700    | 118           | 151    | 130    |
| 29213            | 10000      | 17400            | 700800      | 777800    | 784500    | 133           | 268    | 132    |
| BHI <sup>2</sup> | -          | -                | 181         | 115       | -         | 125           | 111    | -      |

<sup>1</sup> CFU were determined by plate counting (in duplicate) for samples with a target of 100 CFU per well and calculated from dilutions for samples with a target of 10 and 1000 CFU. <sup>2</sup> BHI broth was used in place of bacterial culture to identify assay background.

**Table S3.** CFU and RLU for exclusivity and assay performance with bacterial competitors (Table 3)

| Genus                 | Species               | Strain ID | Competitor CFU <sup>1</sup> | RLU for Exclusivity <sup>3</sup><br>(Competitor only) |           | RLU for Bacterial Interference <sup>4</sup><br>(Competitor + MRSA) |          |           |
|-----------------------|-----------------------|-----------|-----------------------------|-------------------------------------------------------|-----------|--------------------------------------------------------------------|----------|-----------|
|                       |                       |           |                             | Control                                               | Selective | MRSA CFU <sup>1</sup>                                              | Control  | Selective |
| <i>Staphylococcus</i> | <i>epidermidis</i>    | 14990     | 62300                       | 256                                                   | 152       | 52                                                                 | 199300   | 119800    |
|                       |                       | 700583    | 36600                       | 317400                                                | 170       | 52                                                                 | 403700   | 166600    |
|                       | <i>haemolyticus</i>   | 29970     | 14400                       | 1759000                                               | 138       | 52                                                                 | 2447000  | 154000    |
|                       |                       | 700564    | 30000                       | 176                                                   | 223       | 52                                                                 | 182500   | 90610     |
|                       | <i>hominis</i>        | 27844     | 9800                        | 170                                                   | 175       | 52                                                                 | 467100   | 190200    |
|                       | <i>lugdunensis</i>    | 49576     | 16100                       | 118                                                   | 270       | 71                                                                 | 362300   | 90950     |
|                       | <i>saprophyticus</i>  | 15305     | 16650                       | 6282                                                  | 250       | 52                                                                 | 420100   | 231500    |
| <i>Bacillus</i>       | <i>warneri</i>        | 49454     | 9750                        | 41750000                                              | 455       | 53                                                                 | 45850000 | 92070     |
|                       | <i>licheniformis</i>  | 9789      | 7750                        | 78                                                    | 133       | 53                                                                 | 313900   | 79960     |
|                       | <i>pumilus</i>        | 700814    | 8200                        | 62250                                                 | 131       | 53                                                                 | 108500   | 81130     |
| <i>Citrobacter</i>    | <i>subtilis</i>       | 6051      | 4900                        | 3173                                                  | 151       | 66                                                                 | 68880    | 63050     |
|                       | <i>braaki</i>         | 51113     | 14450                       | 70                                                    | 90        | 48                                                                 | 77660    | 28430     |
|                       | <i>freundii</i>       | 8090      | 15350                       | 136                                                   | 138       | 52                                                                 | 202300   | 65670     |
| <i>Enterococcus</i>   | <i>koseri</i>         | 25408     | 28050                       | 56                                                    | 132       | 49                                                                 | 44640    | 36100     |
|                       | <i>faecalis</i>       | 19433     | 32700                       | 92                                                    | 115       | 49                                                                 | 22490    | 10540     |
|                       | <i>faecium</i>        | 19434     | 9150                        | 147                                                   | 132       | 52                                                                 | 447300   | 187500    |
| <i>Klebsiella</i>     | <i>oxytoca</i>        | 43165     | 15950                       | 88                                                    | 175       | 52                                                                 | 141900   | 97480     |
|                       | <i>pneumoniae</i>     | 4352      | 56700                       | 46                                                    | 115       | 49                                                                 | 22100    | 249500    |
| <i>Listeria</i>       | <i>innocua</i>        | 51742     | 23100                       | 121                                                   | 110       | 49                                                                 | 299100   | 228900    |
|                       | <i>ivanovii</i>       | 19119     | 82600                       | 88                                                    | 100       | 49                                                                 | 368400   | 110800    |
|                       | <i>monocytogenes</i>  | 19115     | 33150                       | 101                                                   | 143       | 71                                                                 | 331400   | 114900    |
|                       | <i>welshimeri</i>     | 35897     | 9400                        | 156                                                   | 112       | 48                                                                 | 253400   | 181100    |
| <i>Proteus</i>        | <i>mirabilis</i>      | 43071     | 7450                        | 25                                                    | 117       | 49                                                                 | 17090    | 279200    |
|                       | <i>vulgaris</i>       | 33420     | 11600                       | 27                                                    | 96        | 49                                                                 | 29170    | 171800    |
| <i>Shigella</i>       | <i>flexneri</i>       | 12022     | 34500                       | 78                                                    | 101       | 52                                                                 | 30360    | 13950     |
|                       | <i>sonnei</i>         | 9290      | 10900                       | 65                                                    | 140       | 48                                                                 | 29360    | 75300     |
| <i>Streptococcus</i>  | <i>pneumoniae</i>     | 6303      | 34000                       | 75                                                    | 143       | 53                                                                 | 178      | 24610     |
|                       | <i>pyogenes</i>       | 12202     | 1500                        | 142                                                   | 116       | 64                                                                 | 193800   | 91370     |
| <i>Acinetobacter</i>  | <i>baumannii</i>      | 19606     | 16450                       | 78                                                    | 88        | 49                                                                 | 232500   | 113600    |
| <i>Edwardsiella</i>   | <i>tarda</i>          | 15947     | 20200                       | 90                                                    | 132       | 52                                                                 | 118200   | 84540     |
| <i>Enterobacter</i>   | <i>kobei</i>          | BAA-260   | 11250                       | 118                                                   | 97        | 49                                                                 | 455400   | 180300    |
| <i>Escherichia</i>    | <i>coli</i>           | 25922     | 8850                        | 108                                                   | 101       | 71                                                                 | 97980    | 46360     |
| <i>Hafnia</i>         | <i>alvei</i>          | 13337     | 14850                       | 78                                                    | 92        | 49                                                                 | 338500   | 198800    |
| <i>Moraxella</i>      | <i>catarrhalis</i>    | 25238     | 8350                        | 130                                                   | 115       | 53                                                                 | 315800   | 360300    |
| <i>Morganella</i>     | <i>morganii</i>       | 25830     | 30000                       | 76                                                    | 212       | 52                                                                 | 155900   | 145400    |
| <i>Pluralibacter</i>  | <i>gergoviae</i>      | 33028     | 17400                       | 80                                                    | 65        | 49                                                                 | 203400   | 78990     |
| <i>Pseudomonas</i>    | <i>aeruginosa</i>     | 27853     | 20500                       | 138                                                   | 142       | 52                                                                 | 175800   | 53400     |
| <i>Salmonella</i>     | <i>enterica</i>       | S492      | 19150                       | 46                                                    | 121       | 49                                                                 | 207900   | 314600    |
| <i>Serratia</i>       | <i>marcescens</i>     | 13880     | 15950                       | 86                                                    | 91        | 48                                                                 | 92500    | 26200     |
| <i>Yersinia</i>       | <i>enterocolitica</i> | 23715     | 14250                       | 102                                                   | 112       | 71                                                                 | 334100   | 126200    |
| BHI <sup>2</sup>      | -                     | -         | -                           | 117                                                   | 111       | 49                                                                 | 498000   | 171000    |

<sup>1</sup> CFU were determined by plate counting (in duplicate) of either diluted samples for competitors or directly for MRSA. <sup>2</sup> BHI broth was used in place of bacterial culture to identify assay background. <sup>3</sup> For exclusivity, each competitor strain was assessed alone at the indicated CFU per well. <sup>4</sup> For bacterial interference, MRSA (BAA-1720) was added at the burden indicated in combination with the stated competitor CFU per well.

**Table S4.** CFU and RLU for MRSA screen with clinical *Staphylococcus aureus* (Table 4)

| Strain ID | Source         | Type | CFU | Control RLU | Selective RLU |
|-----------|----------------|------|-----|-------------|---------------|
| BNC 001   | Burlington, NC | MRSA | 52  | 479400      | 39000         |
| BNC 002   | Burlington, NC | MRSA | 77  | 407500      | 305000        |
| BNC 003   | Burlington, NC | MRSA | 84  | 588600      | 143300        |
| BNC 004   | Burlington, NC | MRSA | 63  | 183300      | 210100        |
| BNC 005   | Burlington, NC | MRSA | 38  | 358900      | 22610         |
| BNC 006   | Burlington, NC | MRSA | 33  | 18600       | 24580         |
| BNC 007   | Burlington, NC | MRSA | 19  | 190800      | 3708          |
| BNC 008   | Burlington, NC | MRSA | 36  | 86900       | 1905          |
| BNC 009   | Burlington, NC | MRSA | 41  | 522000      | 109200        |
| BNC 010   | Burlington, NC | MRSA | 48  | 363600      | 1705          |
| BNC 011   | Burlington, NC | MRSA | 23  | 609700      | 412000        |
| BNC 012   | Burlington, NC | MRSA | 47  | 1377000     | 73580         |
| BNC 013   | Burlington, NC | MRSA | 63  | 182400      | 56490         |
| BNC 014   | Burlington, NC | MRSA | 47  | 1071000     | 134500        |
| BNC 015   | Burlington, NC | MRSA | 22  | 318700      | 80540         |
| BNC 016   | Burlington, NC | MRSA | 40  | 683200      | 103900        |
| BNC 017   | Burlington, NC | MRSA | 44  | 782800      | 123000        |
| BNC 018   | Burlington, NC | MRSA | 36  | 616200      | 137200        |
| BNC 019   | Burlington, NC | MRSA | 52  | 22610       | 24300         |
| BNC 020   | Burlington, NC | MRSA | 80  | 349000      | 162200        |
| BNC 021   | Burlington, NC | MRSA | 52  | 20110       | 577           |
| BNC 022   | Burlington, NC | MRSA | 47  | 168600      | 12950         |
| BNC 023   | Burlington, NC | MRSA | 40  | 230200      | 54760         |
| BNC 024   | Burlington, NC | MRSA | 46  | 4671        | 2631          |
| BNC 025   | Burlington, NC | MRSA | 76  | 1803000     | 251700        |
| BNC 026   | Burlington, NC | MRSA | 100 | 1185000     | 246500        |
| BNC 027   | Burlington, NC | MRSA | 33  | 1136000     | 103300        |
| BNC 028   | Burlington, NC | MRSA | 31  | 335300      | 156300        |
| BNC 030   | Burlington, NC | MRSA | 44  | 568800      | 62820         |
| BNC 031   | Burlington, NC | MRSA | 64  | 377200      | 14960         |
| BNC 032   | Burlington, NC | MRSA | 24  | 53640       | 21400         |
| BNC 033   | Burlington, NC | MRSA | 35  | 526500      | 84710         |
| BNC 034   | Burlington, NC | MRSA | 38  | 1018000     | 74260         |
| BNC 035   | Burlington, NC | MRSA | 42  | 861600      | 232900        |
| BNC 036   | Burlington, NC | MRSA | 41  | 1136000     | 3531          |
| BNC 037   | Burlington, NC | MRSA | 53  | 694700      | 229600        |
| BNC 038   | Burlington, NC | MRSA | 19  | 106300      | 70910         |
| BNC 039   | Burlington, NC | MRSA | 49  | 101200      | 34560         |
| BNC 040   | Burlington, NC | MRSA | 36  | 152200      | 34310         |
| BNC 042   | Burlington, NC | MRSA | 50  | 690900      | 155200        |
| BNC 043   | Burlington, NC | MRSA | 54  | 576300      | 49510         |
| BNC 044   | Burlington, NC | MRSA | 31  | 748800      | 26470         |
| BNC 045   | Burlington, NC | MRSA | 23  | 329000      | 50790         |
| BNC 046   | Burlington, NC | MRSA | 36  | 52100       | 26650         |
| BNC 047   | Burlington, NC | MRSA | 44  | 375200      | 71090         |
| BNC 048   | Burlington, NC | MRSA | 60  | 656100      | 200600        |
| BNC 049   | Burlington, NC | MRSA | 51  | 138700      | 9575          |
| BNC 050   | Burlington, NC | MRSA | 44  | 326200      | 41580         |
| BNC 051   | Burlington, NC | MRSA | 37  | 423000      | 141200        |
| BNC 052   | Burlington, NC | MRSA | 56  | 713000      | 80260         |
| BNC 053   | Burlington, NC | MRSA | 73  | 1009000     | 384400        |
| BNC 054   | Burlington, NC | MRSA | 61  | 167200      | 72850         |
| BNC 055   | Burlington, NC | MRSA | 57  | 263400      | 247200        |
| BNC 056   | Burlington, NC | MRSA | 62  | 553400      | 83970         |
| BNC 057   | Burlington, NC | MRSA | 45  | 472600      | 4302          |
| BNC 058   | Burlington, NC | MRSA | 68  | 341900      | 110600        |
| BNC 059   | Burlington, NC | MRSA | 19  | 57110       | 1343          |

| Strain ID | Source         | Type | CFU | Control RLU | Selective RLU |
|-----------|----------------|------|-----|-------------|---------------|
| BNC 060   | Burlington, NC | MRSA | 54  | 517300      | 63320         |
| BNC 061   | Burlington, NC | MRSA | 58  | 844800      | 254000        |
| BNC 062   | Burlington, NC | MRSA | 92  | 120700      | 31180         |
| BNC 063   | Burlington, NC | MRSA | 37  | 158100      | 342100        |
| BNC 064   | Burlington, NC | MRSA | 27  | 68450       | 276100        |
| BNC 065   | Burlington, NC | MRSA | 41  | 266300      | 56820         |
| BNC 066   | Burlington, NC | MRSA | 54  | 142700      | 14340         |
| BNC 067   | Burlington, NC | MRSA | 53  | 220100      | 343           |
| BNC 068   | Burlington, NC | MRSA | 28  | 444500      | 37440         |
| BNC 069   | Burlington, NC | MRSA | 20  | 84730       | 148000        |
| BNC 070   | Burlington, NC | MRSA | 44  | 527700      | 62200         |
| BNC 071   | Burlington, NC | MRSA | 20  | 314400      | 27510         |
| BNC 072   | Burlington, NC | MRSA | 16  | 1711000     | 69730         |
| BNC 073   | Burlington, NC | MRSA | 58  | 753800      | 395500        |
| BNC 074   | Burlington, NC | MRSA | 47  | 749100      | 277700        |
| BNC 075   | Burlington, NC | MRSA | 34  | 487300      | 379200        |
| BNC 076   | Burlington, NC | MRSA | 56  | 1207000     | 213200        |
| BNC 077   | Burlington, NC | MRSA | 21  | 407800      | 107200        |
| BNC 078   | Burlington, NC | MRSA | 28  | 1453000     | 256600        |
| BNC 079   | Burlington, NC | MRSA | 37  | 278600      | 79120         |
| BNC 080   | Burlington, NC | MRSA | 30  | 1149000     | 278800        |
| BNC 081   | Burlington, NC | MRSA | 34  | 739700      | 360600        |
| BNC 082   | Burlington, NC | MRSA | 124 | 253400      | 346300        |
| BNC 083   | Burlington, NC | MRSA | 55  | 335000      | 26420         |
| BNC 084   | Burlington, NC | MRSA | 107 | 1147000     | 333700        |
| BNC 085   | Burlington, NC | MRSA | 60  | 1537000     | 197300        |
| BNC 086   | Burlington, NC | MRSA | 72  | 288600      | 320800        |
| BNC 087   | Burlington, NC | MRSA | 67  | 571900      | 453700        |
| BNC 088   | Burlington, NC | MRSA | 63  | 1197000     | 459600        |
| BNC 089   | Burlington, NC | MRSA | 67  | 610600      | 210900        |
| BNC 090   | Burlington, NC | MRSA | 87  | 615900      | 245200        |
| BNC 091   | Burlington, NC | MRSA | 77  | 1480000     | 452700        |
| BNC 092   | Burlington, NC | MRSA | 55  | 56460       | 4798          |
| BNC 093   | Burlington, NC | MRSA | 58  | 447600      | 68300         |
| BNC 094   | Burlington, NC | MRSA | 89  | 777300      | 127800        |
| BNC 095   | Burlington, NC | MRSA | 82  | 667100      | 88790         |
| BNC 096   | Burlington, NC | MRSA | 58  | 292400      | 277900        |
| BNC 097   | Burlington, NC | MRSA | 62  | 235000      | 3503          |
| BNC 098   | Burlington, NC | MRSA | 49  | 292400      | 108600        |
| BNC 099   | Burlington, NC | MRSA | 54  | 290500      | 81860         |
| BNC 100   | Burlington, NC | MRSA | 30  | 258700      | 200           |
| BNC 101   | Burlington, NC | MRSA | 34  | 9915        | 201           |
| BNC 102   | Burlington, NC | MRSA | 99  | 1417000     | 619600        |
| BNC 103   | Burlington, NC | MRSA | 30  | 960900      | 129000        |
| BNC 104   | Burlington, NC | MRSA | 32  | 24730       | 5909          |
| BNC 105   | Burlington, NC | MRSA | 72  | 65470       | 10800         |
| BNC 106   | Burlington, NC | MRSA | 47  | 461000      | 31660         |
| BNC 107   | Burlington, NC | MRSA | 28  | 1194000     | 110300        |
| BNC 108   | Burlington, NC | MRSA | 32  | 231000      | 78830         |
| BNC 109   | Burlington, NC | MRSA | 30  | 3896        | 1622          |
| BNC 110   | Burlington, NC | MRSA | 22  | 11350       | 3823          |
| BNC 111   | Burlington, NC | MRSA | 40  | 256800      | 71110         |
| BNC 112   | Burlington, NC | MRSA | 30  | 220500      | 1860          |
| BNC 113   | Burlington, NC | MRSA | 21  | 263000      | 63540         |
| BNC 114   | Burlington, NC | MRSA | 40  | 1239000     | 213000        |
| BNC 115   | Burlington, NC | MRSA | 88  | 403400      | 294800        |
| BNC 116   | Burlington, NC | MRSA | 119 | 1482000     | 539000        |
| BNC 117   | Burlington, NC | MRSA | 57  | 733700      | 882200        |

| Strain ID | Source         | Type | CFU | Control RLU | Selective RLU |
|-----------|----------------|------|-----|-------------|---------------|
| BNC 118   | Burlington, NC | MRSA | 40  | 74430       | 30210         |
| BNC 119   | Burlington, NC | MRSA | 77  | 2284000     | 33230         |
| BNC 120   | Burlington, NC | MRSA | 89  | 1720000     | 1680000       |
| BNC 121   | Burlington, NC | MRSA | 71  | 1905000     | 1188000       |
| BNC 122   | Burlington, NC | MRSA | 56  | 1822000     | 585800        |
| BNC 123   | Burlington, NC | MRSA | 99  | 2689000     | 1325000       |
| BNC 124   | Burlington, NC | MRSA | 46  | 1278000     | 606200        |
| BNC 125   | Burlington, NC | MRSA | 66  | 802100      | 281100        |
| BNC 126   | Burlington, NC | MRSA | 49  | 277200      | 88590         |
| BNC 127   | Burlington, NC | MRSA | 41  | 335900      | 122000        |
| BNC 128   | Burlington, NC | MRSA | 60  | 1709000     | 348200        |
| BNC 129   | Burlington, NC | MRSA | 63  | 1054000     | 424400        |
| BNC 130   | Burlington, NC | MRSA | 95  | 1978000     | 591800        |
| BNC 131   | Burlington, NC | MRSA | 48  | 175600      | 50620         |
| BNC 132   | Burlington, NC | MRSA | 43  | 208000      | 35030         |
| BNC 133   | Burlington, NC | MRSA | 36  | 197100      | 152800        |
| BNC 134   | Burlington, NC | MRSA | 62  | 395200      | 69230         |
| BNC 135   | Burlington, NC | MRSA | 60  | 516200      | 146000        |
| BNC 136   | Burlington, NC | MRSA | 23  | 29540       | 49420         |
| BNC 137   | Burlington, NC | MRSA | 28  | 114500      | 23060         |
| BNC 138   | Burlington, NC | MRSA | 46  | 418900      | 310100        |
| BNC 139   | Burlington, NC | MRSA | 42  | 304700      | 23260         |
| BNC 140   | Burlington, NC | MRSA | 32  | 510500      | 38020         |
| BNC 141   | Burlington, NC | MRSA | 48  | 124000      | 34990         |
| BNC 142   | Burlington, NC | MRSA | 152 | 1351000     | 195500        |
| BNC 143   | Burlington, NC | MRSA | 71  | 1461000     | 345000        |
| BNC 144   | Burlington, NC | MRSA | 85  | 1087000     | 121300        |
| BNC 145   | Burlington, NC | MRSA | 66  | 796300      | 156000        |
| BNC 146   | Burlington, NC | MRSA | 77  | 527500      | 142700        |
| BNC 147   | Burlington, NC | MRSA | 46  | 915500      | 141400        |
| BNC 148   | Burlington, NC | MRSA | 9   | 15650       | 2590          |
| BNC 149   | Burlington, NC | MRSA | 70  | 554300      | 73420         |
| BNC 150   | Burlington, NC | MRSA | 88  | 300300      | 56170         |
| BNC 151   | Burlington, NC | MRSA | 41  | 832900      | 217300        |
| BNC 152   | Burlington, NC | MRSA | 53  | 921300      | 8959          |
| BNC 153   | Burlington, NC | MRSA | 32  | 1144000     | 254100        |
| BNC 154   | Burlington, NC | MRSA | 44  | 700200      | 680           |
| BNC 155   | Burlington, NC | MRSA | 59  | 1015000     | 82570         |
| BNC 156   | Burlington, NC | MRSA | 79  | 560100      | 298100        |
| BNC 157   | Burlington, NC | MRSA | 42  | 523900      | 458300        |
| BNC 158   | Burlington, NC | MRSA | 40  | 974500      | 78210         |
| BNC 159   | Burlington, NC | MRSA | 27  | 116         | 116           |
| BNC 160   | Burlington, NC | MRSA | 44  | 940500      | 90170         |
| BNC 161   | Burlington, NC | MRSA | 37  | 150800      | 37390         |
| BNC 162   | Burlington, NC | MRSA | 49  | 576800      | 229000        |
| BNC 163   | Burlington, NC | MRSA | 54  | 509500      | 335           |
| BNC 164   | Burlington, NC | MRSA | 38  | 126300      | 9227          |
| BNC 165   | Burlington, NC | MRSA | 43  | 220300      | 73850         |
| BNC 166   | Burlington, NC | MRSA | 60  | 52120       | 11560         |
| BNC 167   | Burlington, NC | MRSA | 36  | 943400      | 136700        |
| BNC 168   | Burlington, NC | MRSA | 73  | 1015000     | 75970         |
| BNC 169   | Burlington, NC | MRSA | 88  | 408400      | 126400        |
| BNC 170   | Burlington, NC | MRSA | 102 | 857000      | 441400        |
| BNC 171   | Burlington, NC | MRSA | 21  | 59450       | 199200        |
| BNC 172   | Burlington, NC | MRSA | 35  | 1699000     | 202000        |
| BNC 173   | Burlington, NC | MRSA | 59  | 1823000     | 4858          |
| BNC 174   | Burlington, NC | MRSA | 42  | 1440000     | 101300        |
| BNC 175   | Burlington, NC | MRSA | 32  | 1348000     | 472100        |

| Strain ID | Source         | Type | CFU | Control RLU | Selective RLU |
|-----------|----------------|------|-----|-------------|---------------|
| BNC 176   | Burlington, NC | MRSA | 49  | 1201000     | 819400        |
| BNC 177   | Burlington, NC | MRSA | 31  | 807900      | 161300        |
| BNC 178   | Burlington, NC | MRSA | 45  | 1473000     | 125500        |
| BNC 179   | Burlington, NC | MRSA | 22  | 231500      | 319800        |
| BNC 180   | Burlington, NC | MRSA | 50  | 1814000     | 739300        |
| BNC 181   | Burlington, NC | MRSA | 32  | 1731000     | 259400        |
| BNC 182   | Burlington, NC | MRSA | 50  | 763000      | 185900        |
| BNC 183   | Burlington, NC | MRSA | 37  | 1103000     | 96700         |
| BNC 184   | Burlington, NC | MRSA | 55  | 706900      | 321600        |
| BNC 185   | Burlington, NC | MRSA | 61  | 2111000     | 553400        |
| BNC 186   | Burlington, NC | MRSA | 80  | 783800      | 126200        |
| BNC 187   | Burlington, NC | MRSA | 117 | 3426000     | 211500        |
| BNC 188   | Burlington, NC | MRSA | 72  | 451100      | 362100        |
| BNC 189   | Burlington, NC | MRSA | 45  | 1372000     | 149200        |
| BNC 190   | Burlington, NC | MRSA | 86  | 3009000     | 321700        |
| BNC 191   | Burlington, NC | MRSA | 76  | 286600      | 10430         |
| BNC 192   | Burlington, NC | MRSA | 120 | 458400      | 90650         |
| BNC 193   | Burlington, NC | MRSA | 50  | 126300      | 7055          |
| BNC 194   | Burlington, NC | MRSA | 60  | 308000      | 15370         |
| BNC 195   | Burlington, NC | MRSA | 122 | 1826000     | 108100        |
| BNC 196   | Burlington, NC | MRSA | 68  | 2787000     | 888300        |
| BNC 197   | Burlington, NC | MRSA | 110 | 1654000     | 205500        |
| BNC 198   | Burlington, NC | MRSA | 74  | 347700      | 160700        |
| BNC 199   | Burlington, NC | MRSA | 57  | 1511000     | 180700        |
| BNC 200   | Burlington, NC | MRSA | 66  | 2263000     | 110800        |
| BNC 201   | Burlington, NC | MRSA | 92  | 1471000     | 74370         |
| BNC 202   | Burlington, NC | MRSA | 93  | 934700      | 220900        |
| BNC 203   | Burlington, NC | MRSA | 72  | 437700      | 551700        |
| BNC 204   | Burlington, NC | MRSA | 52  | 650900      | 141500        |
| BNC 205   | Burlington, NC | MRSA | 58  | 2123000     | 554600        |
| BNC 206   | Burlington, NC | MRSA | 72  | 1709000     | 61300         |
| BNC 207   | Burlington, NC | MRSA | 45  | 1147000     | 187900        |
| PHX 003   | Phoenix, AZ    | MRSA | 81  | 801800      | 359800        |
| PHX 004   | Phoenix, AZ    | MRSA | 87  | 1038000     | 803100        |
| PHX 005   | Phoenix, AZ    | MRSA | 112 | 171200      | 41110         |
| PHX 006   | Phoenix, AZ    | MRSA | 87  | 1441000     | 172600        |
| PHX 007   | Phoenix, AZ    | MRSA | 104 | 1227000     | 294200        |
| PHX 008   | Phoenix, AZ    | MRSA | 108 | 2240000     | 656800        |
| PHX 009   | Phoenix, AZ    | MRSA | 29  | 1268000     | 4035          |
| PHX 010   | Phoenix, AZ    | MRSA | 34  | 535800      | 301600        |
| PHX 011   | Phoenix, AZ    | MRSA | 44  | 794100      | 74050         |
| PHX 012   | Phoenix, AZ    | MRSA | 27  | 21470       | 5567          |
| PHX 013   | Phoenix, AZ    | MRSA | 35  | 1072000     | 64470         |
| PHX 014   | Phoenix, AZ    | MRSA | 43  | 1414000     | 232200        |
| PHX 015   | Phoenix, AZ    | MRSA | 46  | 1368000     | 412800        |
| PHX 016   | Phoenix, AZ    | MRSA | 51  | 1473000     | 70650         |
| PHX 017   | Phoenix, AZ    | MRSA | 35  | 1846000     | 371400        |
| PHX 019   | Phoenix, AZ    | MRSA | 15  | 28730       | 1160          |
| PHX 020   | Phoenix, AZ    | MRSA | 42  | 1185000     | 452100        |
| PHX 021   | Phoenix, AZ    | MRSA | 75  | 310200      | 161100        |
| PHX 022   | Phoenix, AZ    | MRSA | 52  | 2445000     | 769600        |
| PHX 023   | Phoenix, AZ    | MRSA | 72  | 371400      | 198900        |
| PHX 024   | Phoenix, AZ    | MRSA | 45  | 1120000     | 166400        |
| PHX 025   | Phoenix, AZ    | MRSA | 16  | 120500      | 61620         |
| PHX 026   | Phoenix, AZ    | MRSA | 7   | 1076000     | 120200        |
| PHX 027   | Phoenix, AZ    | MRSA | 68  | 1282000     | 428100        |
| PHX 028   | Phoenix, AZ    | MRSA | 66  | 1072000     | 425000        |
| PHX 029   | Phoenix, AZ    | MRSA | 47  | 966500      | 238100        |

| Strain ID | Source      | Type | CFU | Control RLU | Selective RLU |
|-----------|-------------|------|-----|-------------|---------------|
| PHX 030   | Phoenix, AZ | MRSA | 53  | 109300      | 8256          |
| PHX 031   | Phoenix, AZ | MRSA | 25  | 29020       | 1695          |
| PHX 032   | Phoenix, AZ | MRSA | 52  | 1163000     | 361900        |
| PHX 033   | Phoenix, AZ | MRSA | 20  | 1807000     | 364600        |
| PHX 034   | Phoenix, AZ | MRSA | 41  | 1075000     | 255100        |
| PHX 035   | Phoenix, AZ | MRSA | 29  | 827200      | 209100        |
| PHX 036   | Phoenix, AZ | MRSA | 29  | 95790       | 32800         |
| PHX 037   | Phoenix, AZ | MRSA | 45  | 184500      | 34990         |
| PHX 038   | Phoenix, AZ | MRSA | 58  | 212500      | 96450         |
| PHX 039   | Phoenix, AZ | MRSA | 64  | 360800      | 50240         |
| PHX 040   | Phoenix, AZ | MRSA | 28  | 1852000     | 819200        |
| PHX 041   | Phoenix, AZ | MRSA | 21  | 202400      | 6988          |
| PHX 042   | Phoenix, AZ | MRSA | 28  | 16570       | 860           |
| PHX 043   | Phoenix, AZ | MRSA | 41  | 1824000     | 716300        |
| PHX 044   | Phoenix, AZ | MRSA | 79  | 431300      | 79640         |
| PHX 045   | Phoenix, AZ | MRSA | 130 | 525900      | 148000        |
| PHX 046   | Phoenix, AZ | MRSA | 81  | 335800      | 61970         |
| PHX 047   | Phoenix, AZ | MRSA | 44  | 1420000     | 246700        |
| PHX 048   | Phoenix, AZ | MRSA | 39  | 143800      | 3399          |
| PHX 049   | Phoenix, AZ | MRSA | 40  | 1116000     | 147400        |
| PHX 050   | Phoenix, AZ | MRSA | 115 | 688400      | 130800        |
| PHX 051   | Phoenix, AZ | MRSA | 46  | 2213000     | 406000        |
| PHX 052   | Phoenix, AZ | MRSA | 67  | 8380        | 9214          |
| PHX 053   | Phoenix, AZ | MRSA | 87  | 824000      | 782           |
| PHX 054   | Phoenix, AZ | MRSA | 143 | 2480000     | 407800        |
| PHX 055   | Phoenix, AZ | MRSA | 82  | 2912000     | 1214000       |
| PHX 056   | Phoenix, AZ | MRSA | 53  | 306800      | 167500        |
| PHX 057   | Phoenix, AZ | MRSA | 44  | 1611000     | 430900        |
| PHX 058   | Phoenix, AZ | MRSA | 62  | 1386000     | 221300        |
| PHX 059   | Phoenix, AZ | MRSA | 101 | 2572000     | 949300        |
| PHX 060   | Phoenix, AZ | MRSA | 53  | 1594000     | 622800        |
| PHX 061   | Phoenix, AZ | MRSA | 65  | 108900      | 80590         |
| PHX 062   | Phoenix, AZ | MRSA | 16  | 1534000     | 24560         |
| PHX 063   | Phoenix, AZ | MRSA | 24  | 1041000     | 23500         |
| PHX 064   | Phoenix, AZ | MRSA | 19  | 1346000     | 67730         |
| PHX 065   | Phoenix, AZ | MRSA | 37  | 1076000     | 58500         |
| PHX 066   | Phoenix, AZ | MRSA | 41  | 1381000     | 171400        |
| PHX 067   | Phoenix, AZ | MRSA | 37  | 1501000     | 323600        |
| PHX 068   | Phoenix, AZ | MRSA | 35  | 342600      | 132900        |
| PHX 069   | Phoenix, AZ | MRSA | 106 | 1188000     | 155600        |
| PHX 070   | Phoenix, AZ | MRSA | 75  | 1182000     | 111500        |
| PHX 071   | Phoenix, AZ | MRSA | 84  | 140200      | 30350         |
| PHX 072   | Phoenix, AZ | MRSA | 9   | 86350       | 3319          |
| PHX 073   | Phoenix, AZ | MRSA | 31  | 224500      | 2761          |
| PHX 074   | Phoenix, AZ | MRSA | 51  | 1434000     | 510000        |
| PHX 075   | Phoenix, AZ | MRSA | 32  | 1474000     | 239800        |
| PHX 076   | Phoenix, AZ | MRSA | 58  | 544900      | 146400        |
| PHX 077   | Phoenix, AZ | MRSA | 49  | 295200      | 5176          |
| PHX 079   | Phoenix, AZ | MRSA | 58  | 582         | 251           |
| PHX 080   | Phoenix, AZ | MRSA | 44  | 276500      | 756           |
| PHX 081   | Phoenix, AZ | MRSA | 60  | 747000      | 92300         |
| PHX 082   | Phoenix, AZ | MRSA | 18  | 415900      | 50380         |
| PHX 083   | Phoenix, AZ | MRSA | 61  | 769500      | 477100        |
| PHX 084   | Phoenix, AZ | MRSA | 57  | 482800      | 173700        |
| PHX 085   | Phoenix, AZ | MRSA | 21  | 819100      | 988           |
| PHX 086   | Phoenix, AZ | MRSA | 20  | 16720       | 4286          |
| PHX 087   | Phoenix, AZ | MRSA | 40  | 491100      | 34790         |
| PHX 088   | Phoenix, AZ | MRSA | 28  | 986100      | 611400        |

| Strain ID | Source      | Type | CFU | Control RLU | Selective RLU |
|-----------|-------------|------|-----|-------------|---------------|
| PHX 089   | Phoenix, AZ | MRSA | 17  | 923000      | 381100        |
| PHX 090   | Phoenix, AZ | MRSA | 32  | 1217000     | 75950         |
| PHX 091   | Phoenix, AZ | MRSA | 36  | 22040       | 1321          |
| PHX 092   | Phoenix, AZ | MRSA | 58  | 1093000     | 256800        |
| PHX 093   | Phoenix, AZ | MRSA | 61  | 1687000     | 565000        |
| PHX 094   | Phoenix, AZ | MRSA | 41  | 1611000     | 459200        |
| PHX 095   | Phoenix, AZ | MRSA | 1   | 14410       | 4688          |
| PHX 096   | Phoenix, AZ | MRSA | 32  | 481300      | 445900        |
| PHX 097   | Phoenix, AZ | MRSA | 55  | 1311000     | 70120         |
| PHX 098   | Phoenix, AZ | MRSA | 54  | 400400      | 241900        |
| PHX 099   | Phoenix, AZ | MRSA | 27  | 247600      | 26080         |
| PHX 100   | Phoenix, AZ | MRSA | 54  | 600100      | 12280         |
| RNJ 002   | Raritan, NJ | MRSA | 62  | 29810       | 16180         |
| RNJ 003   | Raritan, NJ | MRSA | 35  | 3892        | 3572          |
| RNJ 004   | Raritan, NJ | MRSA | 52  | 642500      | 66700         |
| RNJ 005   | Raritan, NJ | MRSA | 52  | 31490       | 615           |
| RNJ 006   | Raritan, NJ | MRSA | 59  | 44020       | 1850          |
| RNJ 007   | Raritan, NJ | MRSA | 38  | 354200      | 138600        |
| RNJ 008   | Raritan, NJ | MRSA | 24  | 254700      | 18220         |
| RNJ 009   | Raritan, NJ | MRSA | 29  | 23730       | 4994          |
| RNJ 010   | Raritan, NJ | MRSA | 40  | 84270       | 13800         |
| RNJ 011   | Raritan, NJ | MRSA | 49  | 930900      | 276600        |
| RNJ 013   | Raritan, NJ | MRSA | 43  | 437600      | 85070         |
| RNJ 014   | Raritan, NJ | MRSA | 63  | 214500      | 89000         |
| RNJ 015   | Raritan, NJ | MRSA | 58  | 160700      | 7251          |
| RNJ 016   | Raritan, NJ | MRSA | 30  | 213400      | 48850         |
| RNJ 017   | Raritan, NJ | MRSA | 61  | 1040000     | 121600        |
| RNJ 019   | Raritan, NJ | MRSA | 54  | 1665        | 555           |
| RNJ 020   | Raritan, NJ | MRSA | 25  | 353100      | 6338          |
| RNJ 021   | Raritan, NJ | MRSA | 26  | 163100      | 31140         |
| RNJ 022   | Raritan, NJ | MRSA | 44  | 267800      | 61040         |
| RNJ 023   | Raritan, NJ | MRSA | 30  | 1439000     | 117700        |
| RNJ 024   | Raritan, NJ | MRSA | 17  | 434000      | 2368          |
| RNJ 025   | Raritan, NJ | MRSA | 76  | 31360       | 1928          |
| RNJ 026   | Raritan, NJ | MRSA | 34  | 779200      | 21940         |
| RNJ 027   | Raritan, NJ | MRSA | 23  | 1209000     | 115500        |
| RNJ 028   | Raritan, NJ | MRSA | 51  | 1016000     | 255000        |
| RNJ 029   | Raritan, NJ | MRSA | 74  | 221900      | 54640         |
| RNJ 030   | Raritan, NJ | MRSA | 28  | 390600      | 126900        |
| RNJ 031   | Raritan, NJ | MRSA | 59  | 230900      | 105700        |
| RNJ 033   | Raritan, NJ | MRSA | 44  | 768600      | 395500        |
| RNJ 034   | Raritan, NJ | MRSA | 83  | 560700      | 61870         |
| RNJ 035   | Raritan, NJ | MRSA | 64  | 1620000     | 320000        |
| RNJ 036   | Raritan, NJ | MRSA | 59  | 752200      | 157100        |
| RNJ 037   | Raritan, NJ | MRSA | 5   | 583000      | 111500        |
| RNJ 038   | Raritan, NJ | MRSA | 81  | 1206000     | 182100        |
| RNJ 039   | Raritan, NJ | MRSA | 33  | 1107000     | 4091          |
| RNJ 040   | Raritan, NJ | MRSA | 59  | 6722        | 2635          |
| RNJ 041   | Raritan, NJ | MRSA | 39  | 651100      | 466           |
| RNJ 042   | Raritan, NJ | MRSA | 34  | 375500      | 64700         |
| RNJ 043   | Raritan, NJ | MRSA | 31  | 1331000     | 160000        |
| RNJ 044   | Raritan, NJ | MRSA | 45  | 1941000     | 298400        |
| RNJ 045   | Raritan, NJ | MRSA | 12  | 1499000     | 293600        |
| RNJ 046   | Raritan, NJ | MRSA | 53  | 695600      | 266500        |
| RNJ 047   | Raritan, NJ | MRSA | 40  | 938000      | 168200        |
| RNJ 048   | Raritan, NJ | MRSA | 67  | 1339000     | 265200        |
| RNJ 049   | Raritan, NJ | MRSA | 33  | 376500      | 132000        |
| RNJ 050   | Raritan, NJ | MRSA | 17  | 325100      | 2277          |

| Strain ID | Source         | Type | CFU   | Control RLU | Selective RLU |
|-----------|----------------|------|-------|-------------|---------------|
| RNJ 051   | Raritan, NJ    | MRSA | 48    | 791500      | 667500        |
| RNJ 052   | Raritan, NJ    | MRSA | 58    | 659900      | 375000        |
| RNJ 053   | Raritan, NJ    | MRSA | 55    | 2820000     | 759100        |
| RNJ 054   | Raritan, NJ    | MRSA | 53    | 415200      | 70710         |
| RNJ 055   | Raritan, NJ    | MRSA | 26    | 822600      | 167700        |
| RNJ 056   | Raritan, NJ    | MRSA | 65    | 1421000     | 60460         |
| RNJ 057   | Raritan, NJ    | MRSA | 34    | 1070000     | 251600        |
| RNJ 058   | Raritan, NJ    | MRSA | 34    | 1700000     | 326400        |
| RNJ 063   | Raritan, NJ    | MRSA | 45    | 742200      | 173000        |
| RNJ 064   | Raritan, NJ    | MRSA | 26    | 431600      | 91070         |
| RNJ 067   | Raritan, NJ    | MRSA | 40    | 1264000     | 326800        |
| RNJ 068   | Raritan, NJ    | MRSA | 31    | 1492000     | 976600        |
| RNJ 069   | Raritan, NJ    | MRSA | 24    | 500000      | 356000        |
| RNJ 070   | Raritan, NJ    | MRSA | 43    | 1720000     | 197700        |
| RNJ 072   | Raritan, NJ    | MRSA | 29    | 389700      | 172700        |
| RNJ 073   | Raritan, NJ    | MRSA | 25    | 391600      | 103700        |
| RNJ 074   | Raritan, NJ    | MRSA | 56    | 1484000     | 522600        |
| RNJ 075   | Raritan, NJ    | MRSA | 48    | 1287000     | 46680         |
| RNJ 076   | Raritan, NJ    | MRSA | 55    | 3062000     | 41000         |
| RNJ 077   | Raritan, NJ    | MRSA | 51    | 457500      | 501100        |
| RNJ 078   | Raritan, NJ    | MRSA | 56    | 1717000     | 702100        |
| RNJ 079   | Raritan, NJ    | MRSA | 63    | 396300      | 116600        |
| RNJ 080   | Raritan, NJ    | MRSA | 45    | 889400      | 291400        |
| RNJ 081   | Raritan, NJ    | MRSA | 45    | 214200      | 85150         |
| RNJ 082   | Raritan, NJ    | MRSA | 84    | 418900      | 100300        |
| RNJ 083   | Raritan, NJ    | MRSA | 61    | 9127        | 1862          |
| RNJ 084   | Raritan, NJ    | MRSA | 27    | 42700       | 7484          |
| RNJ 085   | Raritan, NJ    | MRSA | 32    | 66280       | 7761          |
| RNJ 086   | Raritan, NJ    | MRSA | 37    | 849200      | 98460         |
| RNJ 087   | Raritan, NJ    | MRSA | 75    | 277800      | 104300        |
| RNJ 088   | Raritan, NJ    | MRSA | 24    | 390600      | 40130         |
| RNJ 089   | Raritan, NJ    | MRSA | 26    | 757500      | 81980         |
| RNJ 090   | Raritan, NJ    | MRSA | 45    | 1142000     | 99340         |
| RNJ 091   | Raritan, NJ    | MRSA | 33    | 457500      | 38900         |
| RNJ 092   | Raritan, NJ    | MRSA | 51    | 720300      | 81470         |
| RNJ 093   | Raritan, NJ    | MRSA | 15    | 92420       | 23290         |
| RNJ 094   | Raritan, NJ    | MRSA | 20    | 615000      | 20570         |
| RNJ 095   | Raritan, NJ    | MRSA | 116   | 1033000     | 53080         |
| RNJ 096   | Raritan, NJ    | MRSA | 53    | 475800      | 22780         |
| RNJ 097   | Raritan, NJ    | MRSA | 53    | 1277000     | 105100        |
| RNJ 098   | Raritan, NJ    | MRSA | 54    | 430900      | 32150         |
| RNJ 099   | Raritan, NJ    | MRSA | 64    | 534900      | 195100        |
| RNJ 100   | Raritan, NJ    | MRSA | 48    | 1680000     | 398200        |
| MSSA 001  | Burlington, NC | MSSA | 1115  | 60090000    | 142           |
| MSSA 001  | Burlington, NC | MSSA | 11150 | 191600000   | 151           |
| MSSA 002  | Burlington, NC | MSSA | 1030  | 22240000    | 142           |
| MSSA 002  | Burlington, NC | MSSA | 10300 | 103900000   | 302           |
| MSSA 003  | Burlington, NC | MSSA | 555   | 1107000     | 152           |
| MSSA 003  | Burlington, NC | MSSA | 5550  | 588700      | 256           |
| MSSA 004  | Burlington, NC | MSSA | 520   | 505800      | 172           |
| MSSA 004  | Burlington, NC | MSSA | 5200  | 658000      | 167           |
| MSSA 005  | Burlington, NC | MSSA | 760   | 26650000    | 156           |
| MSSA 005  | Burlington, NC | MSSA | 7600  | 218500000   | 826           |
| MSSA 006  | Burlington, NC | MSSA | 850   | 17170000    | 271           |
| MSSA 006  | Burlington, NC | MSSA | 8500  | 102100000   | 1296          |
| MSSA 007  | Burlington, NC | MSSA | 890   | 30170000    | 130           |
| MSSA 007  | Burlington, NC | MSSA | 8900  | 173300000   | 192           |
| MSSA 008  | Burlington, NC | MSSA | 495   | 32320000    | 130           |

| Strain ID | Source         | Type | CFU   | Control RLU | Selective RLU |
|-----------|----------------|------|-------|-------------|---------------|
| MSSA 008  | Burlington, NC | MSSA | 4950  | 178400000   | 355           |
| MSSA 009  | Burlington, NC | MSSA | 975   | 10060000    | 131           |
| MSSA 009  | Burlington, NC | MSSA | 9750  | 105400000   | 133           |
| MSSA 010  | Burlington, NC | MSSA | 530   | 584200      | 143           |
| MSSA 010  | Burlington, NC | MSSA | 5300  | 16930000    | 145           |
| MSSA 012  | Burlington, NC | MSSA | 1505  | 844200      | 145           |
| MSSA 012  | Burlington, NC | MSSA | 15050 | 228400      | 152           |
| MSSA 013  | Burlington, NC | MSSA | 685   | 8570000     | 151           |
| MSSA 013  | Burlington, NC | MSSA | 6850  | 69550000    | 130           |
| MSSA 014  | Burlington, NC | MSSA | 725   | 5493000     | 211           |
| MSSA 014  | Burlington, NC | MSSA | 7250  | 32060000    | 783           |
| MSSA 015  | Burlington, NC | MSSA | 835   | 5210000     | 160           |
| MSSA 015  | Burlington, NC | MSSA | 8350  | 61260000    | 153           |
| MSSA 016  | Burlington, NC | MSSA | 640   | 4549000     | 153           |
| MSSA 016  | Burlington, NC | MSSA | 6400  | 69860000    | 187           |
| MSSA 017  | Burlington, NC | MSSA | 615   | 11440000    | 160           |
| MSSA 017  | Burlington, NC | MSSA | 6150  | 80940000    | 140           |
| MSSA 018  | Burlington, NC | MSSA | 800   | 8989000     | 133           |
| MSSA 018  | Burlington, NC | MSSA | 8000  | 86910000    | 210           |
| MSSA 019  | Burlington, NC | MSSA | 750   | 5678000     | 155           |
| MSSA 019  | Burlington, NC | MSSA | 7500  | 47380000    | 221           |
| MSSA 020  | Burlington, NC | MSSA | 770   | 5347000     | 171           |
| MSSA 020  | Burlington, NC | MSSA | 7700  | 60860000    | 568           |
| MSSA 021  | Burlington, NC | MSSA | 820   | 5190000     | 142           |
| MSSA 021  | Burlington, NC | MSSA | 8200  | 51500000    | 180           |
| MSSA 022  | Burlington, NC | MSSA | 515   | 4629000     | 147           |
| MSSA 022  | Burlington, NC | MSSA | 5150  | 40440000    | 115           |
| MSSA 023  | Burlington, NC | MSSA | 1190  | 3793000     | 152           |
| MSSA 023  | Burlington, NC | MSSA | 11900 | 37420000    | 201           |
| MSSA 024  | Burlington, NC | MSSA | 840   | 10200000    | 186           |
| MSSA 024  | Burlington, NC | MSSA | 8400  | 71780000    | 228           |
| MSSA 025  | Burlington, NC | MSSA | 5840  | 50060000    | 143           |
| MSSA 025  | Burlington, NC | MSSA | 58400 | 9237000     | 257           |
| MSSA 026  | Burlington, NC | MSSA | 967   | 15230000    | 121           |
| MSSA 026  | Burlington, NC | MSSA | 9669  | 143300000   | 2617          |
| MSSA 027  | Burlington, NC | MSSA | 574   | 5188000     | 111           |
| MSSA 027  | Burlington, NC | MSSA | 5739  | 24030000    | 135           |
| MSSA 028  | Burlington, NC | MSSA | 392   | 30070000    | 166           |
| MSSA 028  | Burlington, NC | MSSA | 3918  | 116000000   | 3060          |
| MSSA 029  | Burlington, NC | MSSA | 815   | 26130000    | 205           |
| MSSA 029  | Burlington, NC | MSSA | 8146  | 186600000   | 2990          |
| MSSA 030  | Burlington, NC | MSSA | 602   | 7841000     | 150           |
| MSSA 030  | Burlington, NC | MSSA | 6021  | 20930000    | 115           |
| MSSA 031  | Burlington, NC | MSSA | 585   | 65420000    | 126           |
| MSSA 031  | Burlington, NC | MSSA | 5850  | 173000000   | 221           |
| MSSA 032  | Burlington, NC | MSSA | 691   | 482400      | 118           |
| MSSA 032  | Burlington, NC | MSSA | 6905  | 692000      | 112           |
| MSSA 033  | Burlington, NC | MSSA | 75    | 32220000    | 51460         |
| MSSA 033  | Burlington, NC | MSSA | 750   | 2769000     | 991900        |
| MSSA 034  | Burlington, NC | MSSA | 665   | 81260       | 1785          |
| MSSA 034  | Burlington, NC | MSSA | 6650  | 662100      | 22640         |
| MSSA 035  | Burlington, NC | MSSA | 890   | 9391000     | 110           |
| MSSA 035  | Burlington, NC | MSSA | 8900  | 21660000    | 123           |
| MSSA 036  | Burlington, NC | MSSA | 650   | 14430000    | 110           |
| MSSA 036  | Burlington, NC | MSSA | 6500  | 116500000   | 130           |
| MSSA 037  | Burlington, NC | MSSA | 1310  | 99810000    | 155           |
| MSSA 037  | Burlington, NC | MSSA | 13100 | 139200000   | 127           |
| MSSA 038  | Burlington, NC | MSSA | 2650  | 19110000    | 135           |

| Strain ID | Source         | Type | CFU   | Control RLU | Selective RLU |
|-----------|----------------|------|-------|-------------|---------------|
| MSSA 038  | Burlington, NC | MSSA | 26500 | 4454000     | 138           |
| MSSA 040  | Burlington, NC | MSSA | 630   | 19320000    | 142           |
| MSSA 040  | Burlington, NC | MSSA | 6300  | 130600000   | 262           |
| MSSA 041  | Burlington, NC | MSSA | 575   | 6440000     | 136           |
| MSSA 041  | Burlington, NC | MSSA | 5750  | 11370000    | 127           |
| MSSA 042  | Burlington, NC | MSSA | 1065  | 17930000    | 93            |
| MSSA 042  | Burlington, NC | MSSA | 10650 | 148500000   | 123           |
| MSSA 043  | Burlington, NC | MSSA | 1135  | 11780       | 105           |
| MSSA 043  | Burlington, NC | MSSA | 11350 | 9546        | 138           |
| MSSA 044  | Burlington, NC | MSSA | 675   | 35030000    | 126           |
| MSSA 044  | Burlington, NC | MSSA | 6750  | 22690000    | 125           |
| MSSA 045  | Burlington, NC | MSSA | 380   | 117500000   | 138           |
| MSSA 045  | Burlington, NC | MSSA | 3800  | 127500000   | 198           |
| MSSA 046  | Burlington, NC | MSSA | 1820  | 21270000    | 6603          |
| MSSA 046  | Burlington, NC | MSSA | 18200 | 83650000    | 51970         |
| MSSA 047  | Burlington, NC | MSSA | 525   | 12970000    | 101           |
| MSSA 047  | Burlington, NC | MSSA | 5250  | 112400000   | 130           |
| MSSA 048  | Burlington, NC | MSSA | 605   | 80400       | 127           |
| MSSA 048  | Burlington, NC | MSSA | 6050  | 112400      | 142           |
| MSSA 049  | Burlington, NC | MSSA | 1155  | 9999000     | 111           |
| MSSA 049  | Burlington, NC | MSSA | 11550 | 94090000    | 127           |
| MSSA 051  | Burlington, NC | MSSA | 1070  | 49090000    | 102           |
| MSSA 051  | Burlington, NC | MSSA | 10698 | 166400000   | 230           |
| MSSA 052  | Burlington, NC | MSSA | 1027  | 58950       | 118           |
| MSSA 052  | Burlington, NC | MSSA | 10273 | 63240       | 6854          |
| MSSA 053  | Burlington, NC | MSSA | 2470  | 13200000    | 136           |
| MSSA 053  | Burlington, NC | MSSA | 24700 | 1841000     | 116           |
| MSSA 054  | Burlington, NC | MSSA | 1163  | 21280000    | 141           |
| MSSA 054  | Burlington, NC | MSSA | 11626 | 95230000    | 242           |
| MSSA 055  | Burlington, NC | MSSA | 524   | 32020       | 122           |
| MSSA 055  | Burlington, NC | MSSA | 5244  | 397100      | 143           |
| MSSA 056  | Burlington, NC | MSSA | 1645  | 167500      | 115           |
| MSSA 056  | Burlington, NC | MSSA | 16445 | 139800      | 216           |
| MSSA 057  | Burlington, NC | MSSA | 4010  | 354000      | 140           |
| MSSA 057  | Burlington, NC | MSSA | 40100 | 89330       | 127           |
| MSSA 058  | Burlington, NC | MSSA | 834   | 23450000    | 191           |
| MSSA 058  | Burlington, NC | MSSA | 8337  | 164100000   | 403           |
| MSSA 059  | Burlington, NC | MSSA | 620   | 4902000     | 146           |
| MSSA 059  | Burlington, NC | MSSA | 6200  | 3845000     | 195           |
| MSSA 060  | Burlington, NC | MSSA | 600   | 28390000    | 137           |
| MSSA 060  | Burlington, NC | MSSA | 6000  | 236600000   | 131           |
| MSSA 062  | Burlington, NC | MSSA | 590   | 29090000    | 173           |
| MSSA 062  | Burlington, NC | MSSA | 5900  | 186300000   | 145           |
| MSSA 063  | Burlington, NC | MSSA | 835   | 32080000    | 151           |
| MSSA 063  | Burlington, NC | MSSA | 8350  | 16880000    | 227           |
| MSSA 064  | Burlington, NC | MSSA | 730   | 11270000    | 117           |
| MSSA 064  | Burlington, NC | MSSA | 7300  | 96400000    | 152           |
| MSSA 065  | Burlington, NC | MSSA | 850   | 4029000     | 125           |
| MSSA 065  | Burlington, NC | MSSA | 8500  | 32560000    | 223           |
| MSSA 066  | Burlington, NC | MSSA | 915   | 26320000    | 123           |
| MSSA 066  | Burlington, NC | MSSA | 9150  | 182100000   | 208           |
| MSSA 067  | Burlington, NC | MSSA | 895   | 509900      | 125           |
| MSSA 067  | Burlington, NC | MSSA | 8950  | 224900      | 122           |
| MSSA 068  | Burlington, NC | MSSA | 1215  | 22720000    | 647           |
| MSSA 068  | Burlington, NC | MSSA | 12150 | 123100000   | 6137          |
| MSSA 070  | Burlington, NC | MSSA | 850   | 2636000     | 140           |
| MSSA 070  | Burlington, NC | MSSA | 8500  | 2484000     | 243           |
| MSSA 071  | Burlington, NC | MSSA | 940   | 32020000    | 101           |

| Strain ID | Source         | Type | CFU   | Control RLU | Selective RLU |
|-----------|----------------|------|-------|-------------|---------------|
| MSSA 071  | Burlington, NC | MSSA | 9400  | 200800000   | 153           |
| MSSA 072  | Burlington, NC | MSSA | 555   | 12640000    | 132           |
| MSSA 072  | Burlington, NC | MSSA | 5550  | 35260000    | 191           |
| MSSA 073  | Burlington, NC | MSSA | 1240  | 146000000   | 257           |
| MSSA 073  | Burlington, NC | MSSA | 12400 | 153900000   | 986           |
| MSSA 074  | Burlington, NC | MSSA | 795   | 38360000    | 127           |
| MSSA 074  | Burlington, NC | MSSA | 7950  | 204600000   | 241           |
| MSSA 075  | Burlington, NC | MSSA | 505   | 2452000     | 135           |
| MSSA 075  | Burlington, NC | MSSA | 5050  | 4719000     | 155           |
| MSSA 076  | Burlington, NC | MSSA | 560   | 26460000    | 155           |
| MSSA 076  | Burlington, NC | MSSA | 5600  | 19290000    | 143           |
| MSSA 077  | Burlington, NC | MSSA | 612   | 13580       | 136           |
| MSSA 077  | Burlington, NC | MSSA | 6117  | 114600      | 146           |
| MSSA 078  | Burlington, NC | MSSA | 600   | 12790000    | 237           |
| MSSA 078  | Burlington, NC | MSSA | 5996  | 111100000   | 176           |
| MSSA 079  | Burlington, NC | MSSA | 845   | 3778000     | 1992          |
| MSSA 079  | Burlington, NC | MSSA | 8450  | 468000      | 69570         |
| MSSA 081  | Burlington, NC | MSSA | 508   | 3471000     | 143           |
| MSSA 081  | Burlington, NC | MSSA | 5082  | 10920000    | 178           |
| MSSA 082  | Burlington, NC | MSSA | 1190  | 752100      | 146           |
| MSSA 082  | Burlington, NC | MSSA | 11903 | 1879000     | 2578          |
| MSSA 083  | Burlington, NC | MSSA | 1241  | 8341000     | 157           |
| MSSA 083  | Burlington, NC | MSSA | 12413 | 7199000     | 251           |
| MSSA 084  | Burlington, NC | MSSA | 653   | 19390000    | 127           |
| MSSA 084  | Burlington, NC | MSSA | 6533  | 220200000   | 19330         |
| MSSA 085  | Burlington, NC | MSSA | 1795  | 99440000    | 150           |
| MSSA 085  | Burlington, NC | MSSA | 17950 | 146200000   | 163           |
| MSSA 086  | Burlington, NC | MSSA | 520   | 49250000    | 2293          |
| MSSA 086  | Burlington, NC | MSSA | 5200  | 105600000   | 493           |
| MSSA 087  | Burlington, NC | MSSA | 1775  | 3066000     | 146           |
| MSSA 087  | Burlington, NC | MSSA | 17750 | 685800      | 121           |
| MSSA 088  | Burlington, NC | MSSA | 560   | 30040000    | 146           |
| MSSA 088  | Burlington, NC | MSSA | 5600  | 206200000   | 150           |
| MSSA 089  | Burlington, NC | MSSA | 530   | 36470000    | 127           |
| MSSA 089  | Burlington, NC | MSSA | 5300  | 42370000    | 146           |
| MSSA 090  | Burlington, NC | MSSA | 2665  | 410         | 136           |
| MSSA 090  | Burlington, NC | MSSA | 26650 | 362         | 132           |
| MSSA 092  | Burlington, NC | MSSA | 1720  | 12890000    | 242           |
| MSSA 092  | Burlington, NC | MSSA | 17200 | 9981000     | 151           |
| MSSA 093  | Burlington, NC | MSSA | 815   | 13200000    | 146           |
| MSSA 093  | Burlington, NC | MSSA | 8150  | 139500000   | 147           |
| MSSA 094  | Burlington, NC | MSSA | 540   | 30770000    | 308           |
| MSSA 094  | Burlington, NC | MSSA | 5400  | 217700000   | 2002          |
| MSSA 095  | Burlington, NC | MSSA | 550   | 3105000     | 148           |
| MSSA 095  | Burlington, NC | MSSA | 5500  | 6685000     | 163           |
| MSSA 096  | Burlington, NC | MSSA | 520   | 4198000     | 137           |
| MSSA 096  | Burlington, NC | MSSA | 5200  | 1380000     | 223           |
| MSSA 097  | Burlington, NC | MSSA | 1075  | 38180000    | 141           |
| MSSA 097  | Burlington, NC | MSSA | 10750 | 173600000   | 145           |
| MSSA 098  | Burlington, NC | MSSA | 620   | 92970000    | 160           |
| MSSA 098  | Burlington, NC | MSSA | 6200  | 112700000   | 192           |
| MSSA 099  | Burlington, NC | MSSA | 500   | 25140000    | 138           |
| MSSA 099  | Burlington, NC | MSSA | 5000  | 14820000    | 133           |
| MSSA 100  | Burlington, NC | MSSA | 2465  | 665900      | 161           |
| MSSA 100  | Burlington, NC | MSSA | 24650 | 261600      | 131           |
| MSSA 101  | Burlington, NC | MSSA | 1775  | 17240000    | 640           |
| MSSA 101  | Burlington, NC | MSSA | 17750 | 100700000   | 6379          |
| MSSA 102  | Burlington, NC | MSSA | 1305  | 57270000    | 116           |

| Strain ID | Source         | Type | CFU   | Control RLU | Selective RLU |
|-----------|----------------|------|-------|-------------|---------------|
| MSSA 102  | Burlington, NC | MSSA | 13050 | 123300000   | 196           |
| MSSA 103  | Burlington, NC | MSSA | 1310  | 659300      | 111           |
| MSSA 103  | Burlington, NC | MSSA | 13100 | 1076000     | 202           |
| MSSA 104  | Burlington, NC | MSSA | 865   | 122100000   | 163           |
| MSSA 104  | Burlington, NC | MSSA | 8650  | 196100000   | 230           |
| MSSA 105  | Burlington, NC | MSSA | 605   | 233100      | 260           |
| MSSA 105  | Burlington, NC | MSSA | 6050  | 3094000     | 401           |
| MSSA 106  | Burlington, NC | MSSA | 2170  | 294600      | 138           |
| MSSA 106  | Burlington, NC | MSSA | 21700 | 1219000     | 233           |
| MSSA 107  | Burlington, NC | MSSA | 2170  | 58870000    | 131           |
| MSSA 107  | Burlington, NC | MSSA | 21700 | 178100000   | 187           |
| MSSA 108  | Burlington, NC | MSSA | 1470  | 34780000    | 121           |
| MSSA 108  | Burlington, NC | MSSA | 14700 | 16800000    | 150           |
| MSSA 109  | Burlington, NC | MSSA | 1075  | 211400      | 127           |
| MSSA 109  | Burlington, NC | MSSA | 10750 | 193200      | 141           |
| MSSA 110  | Burlington, NC | MSSA | 1940  | 105800000   | 141           |
| MSSA 110  | Burlington, NC | MSSA | 19400 | 157500000   | 148           |
| MSSA 111  | Burlington, NC | MSSA | 1295  | 64950000    | 142           |
| MSSA 111  | Burlington, NC | MSSA | 12950 | 163300000   | 150           |
| MSSA 112  | Burlington, NC | MSSA | 1715  | 69600000    | 142           |
| MSSA 112  | Burlington, NC | MSSA | 17150 | 96770000    | 447           |
| MSSA 114  | Burlington, NC | MSSA | 2650  | 29930000    | 167           |
| MSSA 114  | Burlington, NC | MSSA | 26500 | 80920000    | 276           |
| MSSA 115  | Burlington, NC | MSSA | 1240  | 7031000     | 3608          |
| MSSA 115  | Burlington, NC | MSSA | 12400 | 1038000     | 22410         |
| MSSA 116  | Burlington, NC | MSSA | 660   | 14330000    | 132           |
| MSSA 116  | Burlington, NC | MSSA | 6600  | 7542000     | 838           |
| MSSA 117  | Burlington, NC | MSSA | 1575  | 32730000    | 117           |
| MSSA 117  | Burlington, NC | MSSA | 15750 | 17000000    | 281           |
| MSSA 118  | Burlington, NC | MSSA | 370   | 31230000    | 127           |
| MSSA 118  | Burlington, NC | MSSA | 3700  | 96050000    | 140           |
| MSSA 119  | Burlington, NC | MSSA | 1260  | 2231000     | 180           |
| MSSA 119  | Burlington, NC | MSSA | 12600 | 31030000    | 536           |
| MSSA 120  | Burlington, NC | MSSA | 1690  | 1872000     | 132           |
| MSSA 120  | Burlington, NC | MSSA | 16900 | 78730000    | 120           |
| MSSA 121  | Burlington, NC | MSSA | 1010  | 105100000   | 187           |
| MSSA 121  | Burlington, NC | MSSA | 10100 | 164900000   | 940           |
| MSSA 122  | Burlington, NC | MSSA | 755   | 57600000    | 181           |
| MSSA 122  | Burlington, NC | MSSA | 7550  | 29350000    | 553           |
| MSSA 123  | Burlington, NC | MSSA | 910   | 68570000    | 138           |
| MSSA 123  | Burlington, NC | MSSA | 9100  | 253500000   | 147           |
| MSSA 124  | Burlington, NC | MSSA | 1695  | 79390000    | 153           |
| MSSA 124  | Burlington, NC | MSSA | 16950 | 137800000   | 135           |
| MSSA 127  | Burlington, NC | MSSA | 2705  | 26150000    | 572           |
| MSSA 127  | Burlington, NC | MSSA | 27050 | 9820000     | 547           |
| MSSA 128  | Burlington, NC | MSSA | 950   | 39710000    | 245           |
| MSSA 128  | Burlington, NC | MSSA | 9500  | 175000000   | 1935          |
| MSSA 129  | Burlington, NC | MSSA | 1315  | 16500000    | 153           |
| MSSA 129  | Burlington, NC | MSSA | 13150 | 23170000    | 157           |
| MSSA 130  | Burlington, NC | MSSA | 1465  | 43860000    | 105           |
| MSSA 130  | Burlington, NC | MSSA | 14650 | 148700000   | 153           |
| MSSA 131  | Burlington, NC | MSSA | 1250  | 39310000    | 140           |
| MSSA 131  | Burlington, NC | MSSA | 12500 | 24780000    | 153           |
| MSSA 132  | Burlington, NC | MSSA | 1545  | 54710000    | 167           |
| MSSA 132  | Burlington, NC | MSSA | 15450 | 27560000    | 338           |
| MSSA 133  | Burlington, NC | MSSA | 1245  | 51020000    | 172           |
| MSSA 133  | Burlington, NC | MSSA | 12450 | 188000000   | 206           |

**Table S5.** CFU and RLU for nasal swabs: endogenous, MRSA spike, and autoluminescence (Table 5)

| RLU for Endogenous <sup>1</sup><br>(Elutant only) |          |           | RLU for MRSA Spike <sup>2</sup><br>(Elutant + MRSA) |                  |          |           | RLU for Autoluminescence <sup>3</sup><br>(No luciferase) |
|---------------------------------------------------|----------|-----------|-----------------------------------------------------|------------------|----------|-----------|----------------------------------------------------------|
| Swab #                                            | Control  | Selective | Strain                                              | CFU <sup>4</sup> | Control  | Selective | -                                                        |
| 1                                                 | 745100   | 451       | BAA-1707                                            | 65               | 4932000  | 199400    | 331                                                      |
| 2                                                 | 161      | 163       | BAA-1707                                            | 65               | 3183000  | 1955000   | 22                                                       |
| 3                                                 | 227      | 193       | BAA-1707                                            | 65               | 2070000  | 339500    | 72                                                       |
| 4                                                 | 4778     | 197       | BAA-1707                                            | 65               | 3371000  | 1353000   | 41                                                       |
| 5                                                 | 19310    | 215       | BAA-1707                                            | 65               | 4343000  | 1564000   | 30                                                       |
| 6                                                 | 8334     | 240       | BAA-1707                                            | 65               | 4523000  | 991800    | 33                                                       |
| 7                                                 | 7619     | 195       | BAA-1707                                            | 65               | 3153000  | 1167000   | 47                                                       |
| 8                                                 | 34800    | 171       | BAA-1707                                            | 65               | 4569000  | 1178000   | 30                                                       |
| 9                                                 | 54630    | 225       | BAA-1717                                            | 105              | 2226000  | 167600    | 115                                                      |
| 10                                                | 28380    | 198       | BAA-1717                                            | 105              | 4176000  | 756500    | 33                                                       |
| 11                                                | 56130    | 1081      | BAA-1717                                            | 105              | 2877000  | 267300    | 58                                                       |
| 12                                                | 6182     | 200       | BAA-1717                                            | 105              | 4740000  | 467100    | 62                                                       |
| 13                                                | 1536000  | 6505      | BAA-1717                                            | 105              | 1714000  | 196300    | 153                                                      |
| 14                                                | 27190    | 150       | BAA-1717                                            | 105              | 2649000  | 288100    | 23                                                       |
| 15                                                | 8236     | 157       | BAA-1717                                            | 105              | 3584000  | 423200    | 23                                                       |
| 16                                                | 680      | 197       | BAA-1717                                            | 105              | 463500   | 41230     | 86                                                       |
| 17                                                | 1096     | 178       | BAA-1720                                            | 111              | 1651000  | 401600    | 70                                                       |
| 18                                                | 89100    | 1437      | BAA-1720                                            | 111              | 801100   | 60590     | 90                                                       |
| 19                                                | 2880     | 158       | BAA-1720                                            | 111              | 1076000  | 257300    | 38                                                       |
| 20                                                | 48020    | 195       | BAA-1720                                            | 111              | 622800   | 59180     | 65                                                       |
| 21                                                | 1280     | 132       | BAA-1720                                            | 111              | 805600   | 163400    | 38                                                       |
| 22                                                | 1446     | 192       | BAA-1720                                            | 111              | 317000   | 5885      | 82                                                       |
| 23                                                | 46610    | 165       | BAA-1720                                            | 111              | 1085000  | 201700    | 52                                                       |
| 24                                                | 685      | 140       | BAA-1720                                            | 111              | 835600   | 209800    | 28                                                       |
| 25                                                | 78950    | 152       | BAA-1763                                            | 87               | 520600   | 45140     | 41                                                       |
| 26                                                | 136400   | 160       | BAA-1763                                            | 87               | 296100   | 34190     | 47                                                       |
| 27                                                | 3588     | 177       | BAA-1763                                            | 87               | 804900   | 56840     | 32                                                       |
| 28                                                | 4231     | 170       | BAA-1763                                            | 87               | 653000   | 36440     | 38                                                       |
| 29                                                | 104200   | 157       | BAA-1763                                            | 87               | 526900   | 59530     | 45                                                       |
| 30                                                | 662      | 198       | BAA-1763                                            | 87               | 250200   | 25280     | 37                                                       |
| 31                                                | 33430000 | 390       | BAA-1763                                            | 87               | 41320000 | 3571      | 270                                                      |
| 32                                                | 848600   | 253       | BAA-1763                                            | 87               | 624500   | 20680     | 141                                                      |
| 33                                                | 145700   | 4303      | BAA-1766                                            | 79               | 569900   | 880600    | 205                                                      |
| 34                                                | 81410    | 265       | BAA-1766                                            | 79               | 4799000  | 583300    | 190                                                      |
| 35                                                | 16140    | 202       | BAA-1766                                            | 79               | 3203000  | 823       | 81                                                       |
| 36                                                | 36630    | 202       | BAA-1766                                            | 79               | 5204000  | 539800    | 81                                                       |
| 37                                                | 372      | 126       | BAA-1766                                            | 79               | 3717000  | 436100    | 27                                                       |
| 38                                                | 2223     | 150       | BAA-1766                                            | 79               | 3976000  | 369900    | 18                                                       |
| 39                                                | 1160     | 190       | BAA-1766                                            | 79               | 3502000  | 511100    | 53                                                       |
| 40                                                | 341      | 171       | BAA-1766                                            | 79               | 1688000  | 85880     | 75                                                       |
| BHI                                               | -        | -         | BAA-1707                                            | 65               | 2112000  | 900500    | -                                                        |
| BHI                                               | -        | -         | BAA-1717                                            | 105              | 614300   | 43590     | -                                                        |
| BHI                                               | -        | -         | BAA-1720                                            | 111              | 245100   | 147900    | -                                                        |
| BHI                                               | -        | -         | BAA-1763                                            | 87               | 35380    | 6080      | -                                                        |
| BHI                                               | -        | -         | BAA-1766                                            | 79               | 191300   | 10460     | -                                                        |
| BHI                                               | 126      | 85        | -                                                   | -                | -        | -         | 22                                                       |

<sup>1</sup> Nasal swabs were eluted in BHI and assayed directly. <sup>2</sup> Nasal elutants were spiked with the indicated MRSA strain at the stated CFU per well. <sup>3</sup> Nasal elutants were combined with luciferase substrate and buffer in the absence of luciferase reporter phage. Signal in these wells is considered to be autoluminescence, likely the result of non-specific activation of the substrate or pre-existing luminescence in the sample. <sup>4</sup> CFU per well were determined directly by plate counting (in duplicate).