

# PuMaQC Report 3. Quality Control/Quality Assessments

Files imported at PREPROCESSING session are ready for quality control.

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**Series imported:** 11

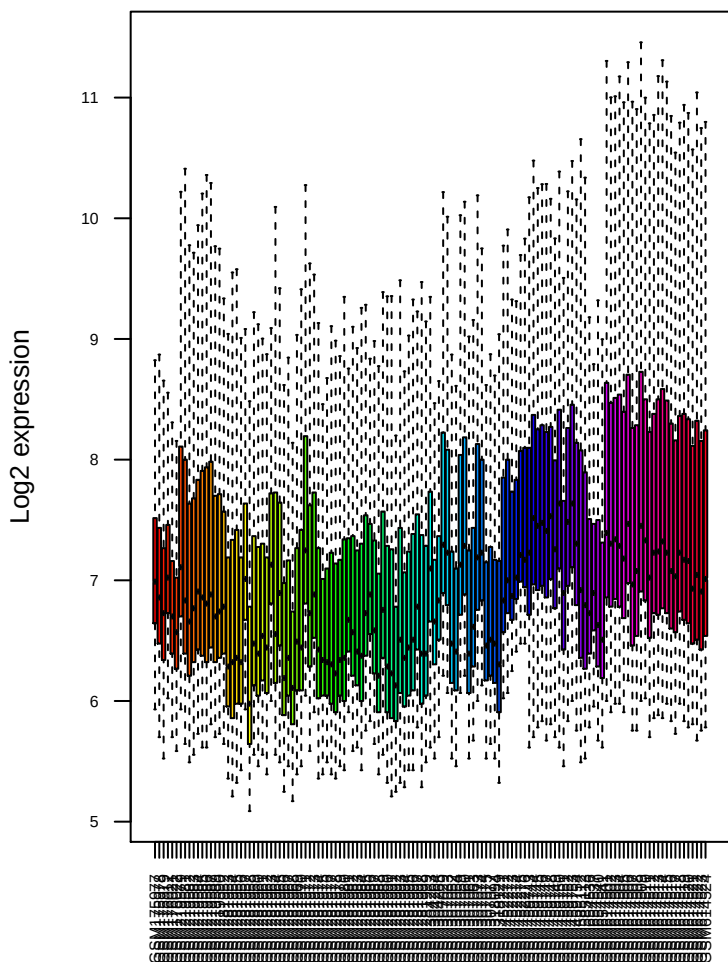
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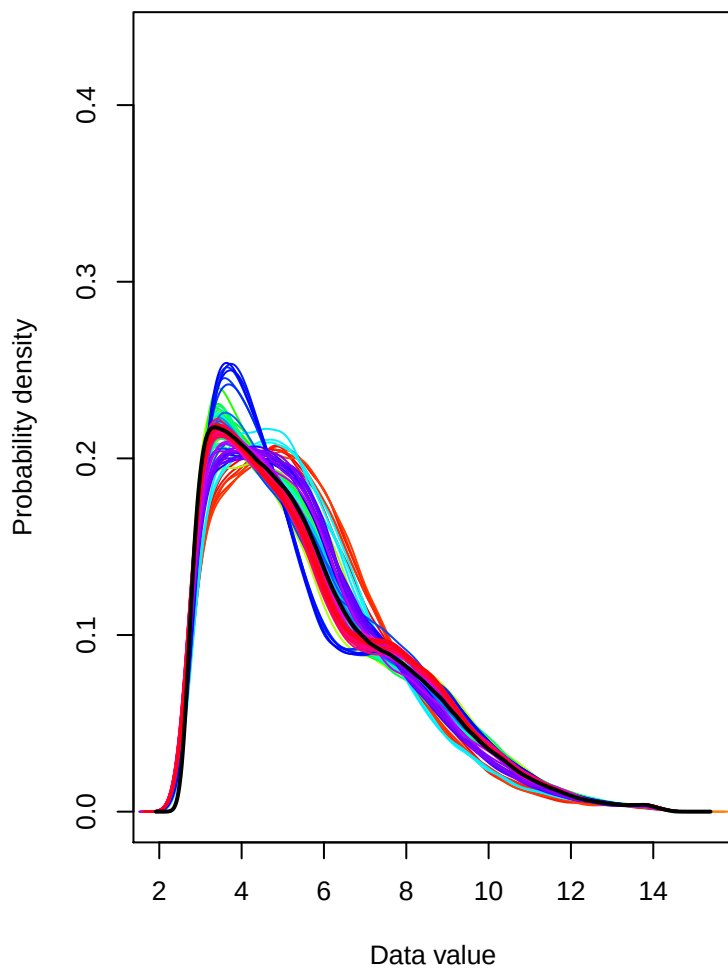
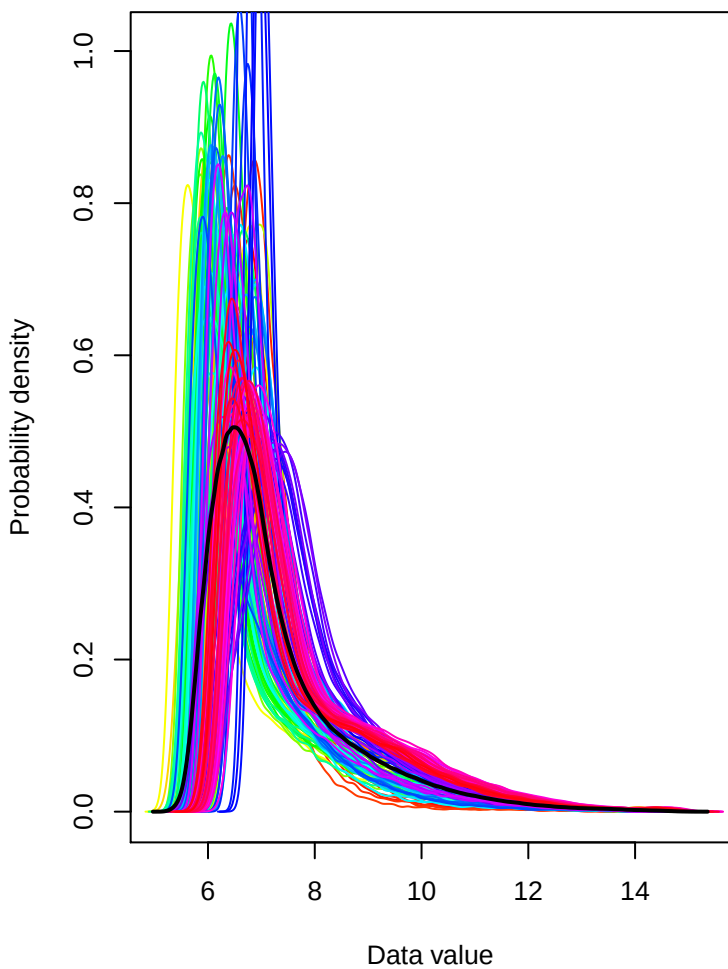
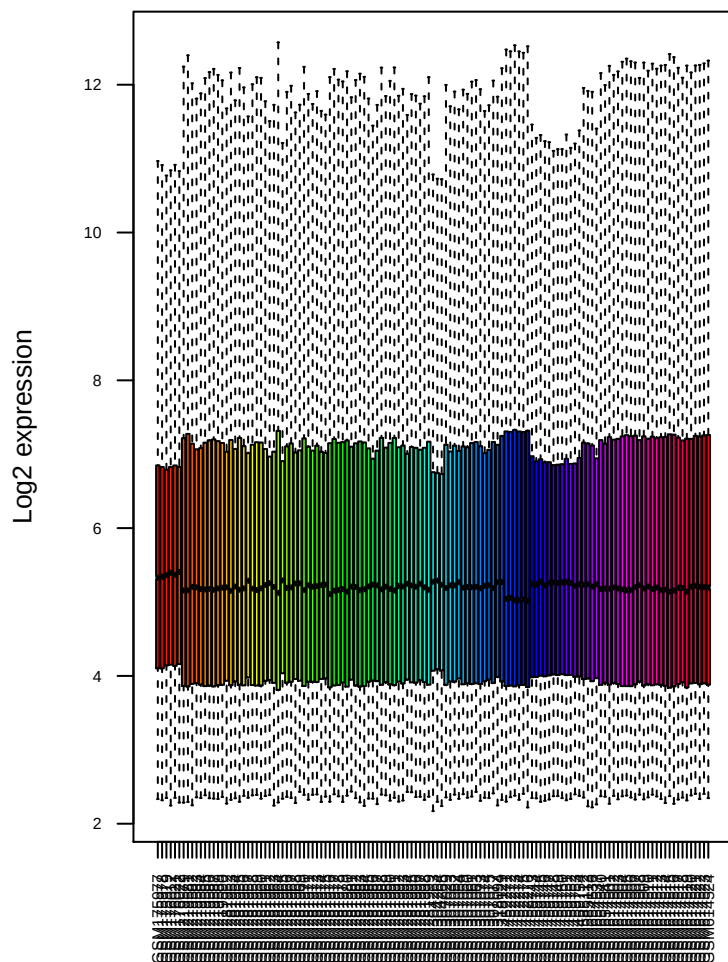
|    | GSM       | Series   | Date       | Organism     | Name                                                                                                         | Characteristics                                                |
|----|-----------|----------|------------|--------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 1  | GSM175977 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; lung; Disease/Normal or Treatment [C];   |
| 2  | GSM175978 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; bronchus; Disease/Normal or Treatment    |
| 3  | GSM175979 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; bronchus; Disease/Normal or Treatment    |
| 4  | GSM176012 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; lung; Disease/Normal or Treatment [C];   |
| 5  | GSM176021 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; lung; Disease/Normal or Treatment [C];   |
| 6  | GSM176022 | GSE7307  | 2007-03-19 | Homo sapiens | Male/Female; Normal/Diseased                                                                                 | Tissue/Cell Line [C]; bronchus; Disease/Normal or Treatment    |
| 7  | GSM219579 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siCyc.                                                                                      | Primary cell culture.; 27 year old male.                       |
| 8  | GSM219581 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE siRhoBTB2.1                                                                                             | Primary lung cell line.; 27 year old male.                     |
| 9  | GSM219582 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siCyc                                                                                       | Primary cell culture. 27 year old male.                        |
| 10 | GSM219583 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siLam                                                                                       | Primary cell culture. 27 year old male.                        |
| 11 | GSM219584 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siDBC2.1                                                                                    | Primary cell culture. 27 year old male.                        |
| 12 | GSM219585 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siRhoBTB2.2                                                                                 | Primary cell culture. 27 year old male.                        |
| 13 | GSM219586 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siCyc.                                                                                      | Primary cell culture 27 year old male.                         |
| 14 | GSM219587 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siLam                                                                                       | Primary cell culture. 27 year old male.                        |
| 15 | GSM219589 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siRhoBTB2.1                                                                                 | Primary cell culture. 27 year old male.                        |
| 16 | GSM219590 | GSE8837  | 2007-08-21 | Homo sapiens | NHBE lung cells, siRhoBTB2.2                                                                                 | Primary cell culture. 27 year old male.                        |
| 17 | GSM281952 | GSE11196 | 2008-04-16 | Homo sapiens | Control106                                                                                                   | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 18 | GSM281953 | GSE11196 | 2008-04-16 | Homo sapiens | Control106                                                                                                   | Lung myofibroblasts; Control; Contractile                      |
| 19 | GSM281954 | GSE11196 | 2008-04-16 | Homo sapiens | Control128                                                                                                   | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 20 | GSM281955 | GSE11196 | 2008-04-16 | Homo sapiens | Control128                                                                                                   | Lung myofibroblasts; Control; Contractile                      |
| 21 | GSM281956 | GSE11196 | 2008-04-16 | Homo sapiens | Control54                                                                                                    | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 22 | GSM281957 | GSE11196 | 2008-04-16 | Homo sapiens | Control54                                                                                                    | Lung myofibroblasts; Control; Contractile                      |
| 23 | GSM281958 | GSE11196 | 2008-04-16 | Homo sapiens | Control57                                                                                                    | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 24 | GSM281959 | GSE11196 | 2008-04-16 | Homo sapiens | Control57                                                                                                    | Lung myofibroblasts; Control; Contractile                      |
| 25 | GSM281960 | GSE11196 | 2008-04-16 | Homo sapiens | Control78                                                                                                    | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 26 | GSM281961 | GSE11196 | 2008-04-16 | Homo sapiens | Control78                                                                                                    | Lung myofibroblasts; Control; Contractile                      |
| 27 | GSM281962 | GSE11196 | 2008-04-16 | Homo sapiens | Control89                                                                                                    | Lung myofibroblasts; Control; Contractile Heavy polyribosom    |
| 28 | GSM281963 | GSE11196 | 2008-04-16 | Homo sapiens | Control89                                                                                                    | Lung myofibroblasts; Control; Contractile                      |
| 29 | GSM281964 | GSE11196 | 2008-04-16 | Homo sapiens | IPF12                                                                                                        | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 30 | GSM281965 | GSE11196 | 2008-04-16 | Homo sapiens | IPF12                                                                                                        | Lung myofibroblasts; IPF; Contractile                          |
| 31 | GSM281966 | GSE11196 | 2008-04-16 | Homo sapiens | IPF129                                                                                                       | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 32 | GSM281967 | GSE11196 | 2008-04-16 | Homo sapiens | IPF129                                                                                                       | Lung myofibroblasts; IPF; Contractile                          |
| 33 | GSM281968 | GSE11196 | 2008-04-16 | Homo sapiens | IPF13                                                                                                        | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 34 | GSM281969 | GSE11196 | 2008-04-16 | Homo sapiens | IPF13                                                                                                        | Lung myofibroblasts; IPF; Contractile                          |
| 35 | GSM281970 | GSE11196 | 2008-04-16 | Homo sapiens | IPF14                                                                                                        | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 36 | GSM281971 | GSE11196 | 2008-04-16 | Homo sapiens | IPF14                                                                                                        | Lung myofibroblasts; IPF; Contractile                          |
| 37 | GSM281972 | GSE11196 | 2008-04-16 | Homo sapiens | IPF37                                                                                                        | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 38 | GSM281973 | GSE11196 | 2008-04-16 | Homo sapiens | IPF37                                                                                                        | Lung myofibroblasts; IPF; Contractile                          |
| 39 | GSM281974 | GSE11196 | 2008-04-16 | Homo sapiens | IPF75                                                                                                        | Lung myofibroblasts; IPF; Contractile Heavy polyribosomal F    |
| 40 | GSM281975 | GSE11196 | 2008-04-16 | Homo sapiens | IPF75                                                                                                        | Lung myofibroblasts; IPF; Contractile                          |
| 41 | GSM281976 | GSE11196 | 2008-04-16 | Homo sapiens | Control106                                                                                                   | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 42 | GSM281977 | GSE11196 | 2008-04-16 | Homo sapiens | Control106                                                                                                   | Lung myofibroblasts; Control; Non-contractile                  |
| 43 | GSM281978 | GSE11196 | 2008-04-16 | Homo sapiens | Control128                                                                                                   | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 44 | GSM281979 | GSE11196 | 2008-04-16 | Homo sapiens | Control128                                                                                                   | Lung myofibroblasts; Control; Non-contractile                  |
| 45 | GSM281980 | GSE11196 | 2008-04-16 | Homo sapiens | Control54                                                                                                    | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 46 | GSM281981 | GSE11196 | 2008-04-16 | Homo sapiens | Control54                                                                                                    | Lung myofibroblasts; Control; Non-contractile                  |
| 47 | GSM281982 | GSE11196 | 2008-04-16 | Homo sapiens | Control57                                                                                                    | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 48 | GSM281983 | GSE11196 | 2008-04-16 | Homo sapiens | Control57                                                                                                    | Lung myofibroblasts; Control; Non-contractile                  |
| 49 | GSM281984 | GSE11196 | 2008-04-16 | Homo sapiens | Control78                                                                                                    | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 50 | GSM281985 | GSE11196 | 2008-04-16 | Homo sapiens | Control78                                                                                                    | Lung myofibroblasts; Control; Non-contractile                  |
| 51 | GSM281986 | GSE11196 | 2008-04-16 | Homo sapiens | Control89                                                                                                    | Lung myofibroblasts; Control; Non-contractile Heavy polyrib    |
| 52 | GSM281987 | GSE11196 | 2008-04-16 | Homo sapiens | Control89                                                                                                    | Lung myofibroblasts; Control; Non-contractile                  |
| 53 | GSM281988 | GSE11196 | 2008-04-16 | Homo sapiens | IPF12                                                                                                        | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 54 | GSM281989 | GSE11196 | 2008-04-16 | Homo sapiens | IPF12                                                                                                        | Lung myofibroblasts; IPF; Non-contractile                      |
| 55 | GSM281990 | GSE11196 | 2008-04-16 | Homo sapiens | IPF129                                                                                                       | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 56 | GSM281991 | GSE11196 | 2008-04-16 | Homo sapiens | IPF129                                                                                                       | Lung myofibroblasts; IPF; Non-contractile                      |
| 57 | GSM281992 | GSE11196 | 2008-04-16 | Homo sapiens | IPF129                                                                                                       | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 58 | GSM281993 | GSE11196 | 2008-04-16 | Homo sapiens | IPF13                                                                                                        | Lung myofibroblasts; IPF; Non-contractile                      |
| 59 | GSM281994 | GSE11196 | 2008-04-16 | Homo sapiens | IPF14                                                                                                        | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 60 | GSM281995 | GSE11196 | 2008-04-16 | Homo sapiens | IPF14                                                                                                        | Lung myofibroblasts; IPF; Non-contractile                      |
| 61 | GSM281996 | GSE11196 | 2008-04-16 | Homo sapiens | IPF37                                                                                                        | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 62 | GSM281997 | GSE11196 | 2008-04-16 | Homo sapiens | IPF37                                                                                                        | Lung myofibroblasts; IPF; Non-contractile                      |
| 63 | GSM281998 | GSE11196 | 2008-04-16 | Homo sapiens | IPF75                                                                                                        | Lung myofibroblasts; IPF; Non-contractile Heavy polyribosoi    |
| 64 | GSM281999 | GSE11196 | 2008-04-16 | Homo sapiens | IPF75                                                                                                        | Lung myofibroblasts; IPF; Non-contractile                      |
| 65 | GSM304263 | GSE12034 | 2008-07-08 | Homo sapiens | Pool of ten normal human tissues for referenGenotype: 10 different normal human tissues, including skel      |                                                                |
| 66 | GSM304264 | GSE12034 | 2008-07-08 | Homo sapiens | Pool of ten normal human tissues for referenGenotype: 10 different normal human tissues, including skel      |                                                                |
| 67 | GSM304265 | GSE12034 | 2008-07-08 | Homo sapiens | Pool of ten normal human tissues for referenGenotype: 10 different normal human tissues, including skel      |                                                                |
| 68 | GSM307029 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 69 | GSM307033 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 70 | GSM307052 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 71 | GSM307054 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 72 | GSM307059 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 73 | GSM307060 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 74 | GSM307061 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 75 | GSM307063 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 76 | GSM307073 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 77 | GSM307074 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 78 | GSM307075 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 79 | GSM307077 | GSE12205 | 2008-07-22 | Homo sapiens | Human lung fibroblasts                                                                                       | Normal diploid human lung fibroblast cell line, LL24, was orig |
| 80 | GSM318094 | GSE12667 | 2008-09-04 | Homo sapiens | Lung                                                                                                         | Race: African American; Gender: M; TSP_Patient# 24255; S       |
| 81 | GSM318129 | GSE12667 | 2008-09-04 | Homo sapiens | Lung                                                                                                         | Race: White; Gender: M; TSP_Patient# 24323; Smoking_St         |
| 82 | GSM452271 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfectedtissue: lung; cell type: primary fibroblasts; sirna: siTUG1; rep  |                                                                |
| 83 | GSM452272 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfectedtissue: lung; cell type: primary fibroblasts; sirna: siTUG1; rep  |                                                                |
| 84 | GSM452273 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfectedtissue: lung; cell type: primary fibroblasts; sirna: siTUG1; rep  |                                                                |
| 85 | GSM452274 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfectedtissue: lung; cell type: primary fibroblasts; sirna: Non-targetti |                                                                |

|     | GSM       | Series   | Date       | Organism     | Name                                                                                                                      | Characteristics                                                          |
|-----|-----------|----------|------------|--------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 86  | GSM452275 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfected                                                                               | tissue: lung; cell type: primary fibroblasts; sirna: Non-targeted        |
| 87  | GSM452276 | GSE16226 | 2009-09-14 | Homo sapiens | Primary Lung Fibroblasts, siRNA-transfected                                                                               | tissue: lung; cell type: primary fibroblasts; sirna: Non-targeted        |
| 88  | GSM459743 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE AZA rep 1                                                                                                            | tissue: Lung; cell line: NHBE; agent: 5-aza-dC and TSA                   |
| 89  | GSM459744 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE AZA rep 2                                                                                                            | tissue: Lung; cell line: NHBE; agent: 5-aza-dC and TSA                   |
| 90  | GSM459745 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE AZA rep 3                                                                                                            | tissue: Lung; cell line: NHBE; agent: 5-aza-dC and TSA                   |
| 91  | GSM459746 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE control rep 1                                                                                                        | tissue: Lung; cell line: NHBE; agent: mock-treated                       |
| 92  | GSM459747 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE control rep 2                                                                                                        | tissue: Lung; cell line: NHBE; agent: mock-treated                       |
| 93  | GSM459748 | GSE18454 | 2009-10-07 | Homo sapiens | NHBE control rep 3                                                                                                        | tissue: Lung; cell line: NHBE; agent: mock-treated                       |
| 94  | GSM459749 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC AZA rep 1                                                                                                            | tissue: Lung; cell line: SAEC; agent: 5-aza-dC and TSA                   |
| 95  | GSM459750 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC AZA rep 2                                                                                                            | tissue: Lung; cell line: SAEC; agent: 5-aza-dC and TSA                   |
| 96  | GSM459751 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC AZA rep 3                                                                                                            | tissue: Lung; cell line: SAEC; agent: 5-aza-dC and TSA                   |
| 97  | GSM459752 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC control rep 1                                                                                                        | tissue: Lung; cell line: SAEC; agent: mock-treated                       |
| 98  | GSM459753 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC control rep 2                                                                                                        | tissue: Lung; cell line: SAEC; agent: mock-treated                       |
| 99  | GSM459754 | GSE18454 | 2009-10-07 | Homo sapiens | SAEC control rep 3                                                                                                        | tissue: Lung; cell line: SAEC; agent: mock-treated                       |
| 100 | GSM585112 | GSE23704 | 2010-08-19 | Homo sapiens | BAL cells from patients with inflammatory lung                                                                            | tissue: Lung; agent: untreated; age: Adults                              |
| 101 | GSM585113 | GSE23704 | 2010-08-19 | Homo sapiens | BAL cells from patients with inflammatory lung                                                                            | tissue: Lung; agent: liposomal ATRA (5ÅµM); age: Adults                  |
| 102 | GSM654536 | GSE26594 | 2011-01-12 | Homo sapiens | Human primary lung fibroblast from an IPF pretreatment group: Unstimulated; cell type: Human primary lung                 | cell type: Human primary lung                                            |
| 103 | GSM654537 | GSE26594 | 2011-01-12 | Homo sapiens | Human primary lung fibroblast from an IPF pretreatment group: TNF-Î± and IFN-Î³ stimulated; cell type: Human primary lung | cell type: Human primary lung                                            |
| 104 | GSM654540 | GSE26594 | 2011-01-12 | Homo sapiens | Human primary lung fibroblast from a control treatment group: Unstimulated; cell type: Human primary lung                 | cell type: Human primary lung                                            |
| 105 | GSM654541 | GSE26594 | 2011-01-12 | Homo sapiens | Human primary lung fibroblast from a control treatment group: TNF-Î± and IFN-Î³ stimulated; cell type: Human primary lung | cell type: Human primary lung                                            |
| 106 | GSM614501 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 107 | GSM614502 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 108 | GSM614503 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 109 | GSM614504 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 110 | GSM614505 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 111 | GSM614506 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 112 | GSM614507 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 113 | GSM614508 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 114 | GSM614509 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 115 | GSM614510 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 116 | GSM614511 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 117 | GSM614512 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary microvascular endothelial cells; treatment: control |
| 118 | GSM614513 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 119 | GSM614514 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 120 | GSM614515 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 121 | GSM614516 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 122 | GSM614517 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 123 | GSM614518 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: control        |
| 124 | GSM614519 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |
| 125 | GSM614520 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |
| 126 | GSM614521 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |
| 127 | GSM614522 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |
| 128 | GSM614523 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |
| 129 | GSM614524 | GSE25014 | 2010-10-29 | Homo sapiens | cultured lung endothelial cells                                                                                           | cell type: pulmonary artery endothelial cells; treatment: hemi           |

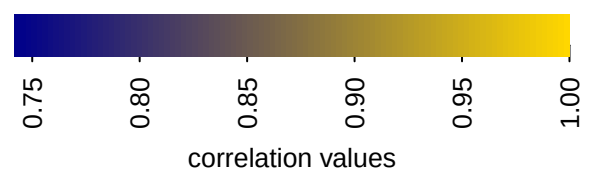
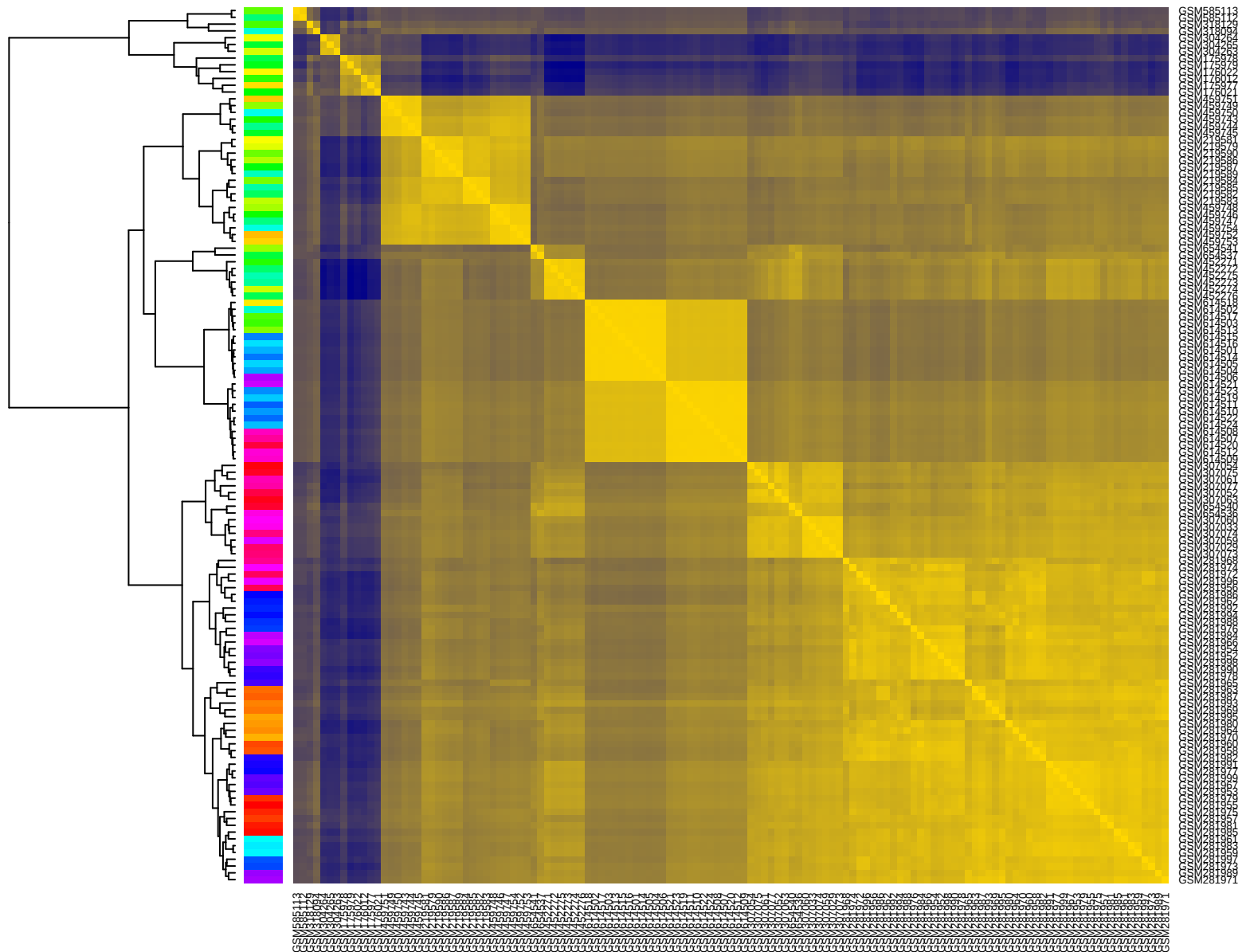
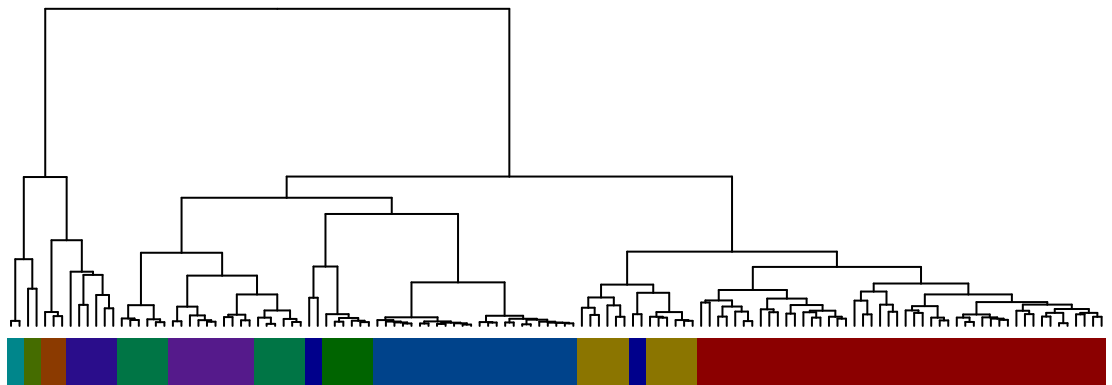
Not-normalized Data



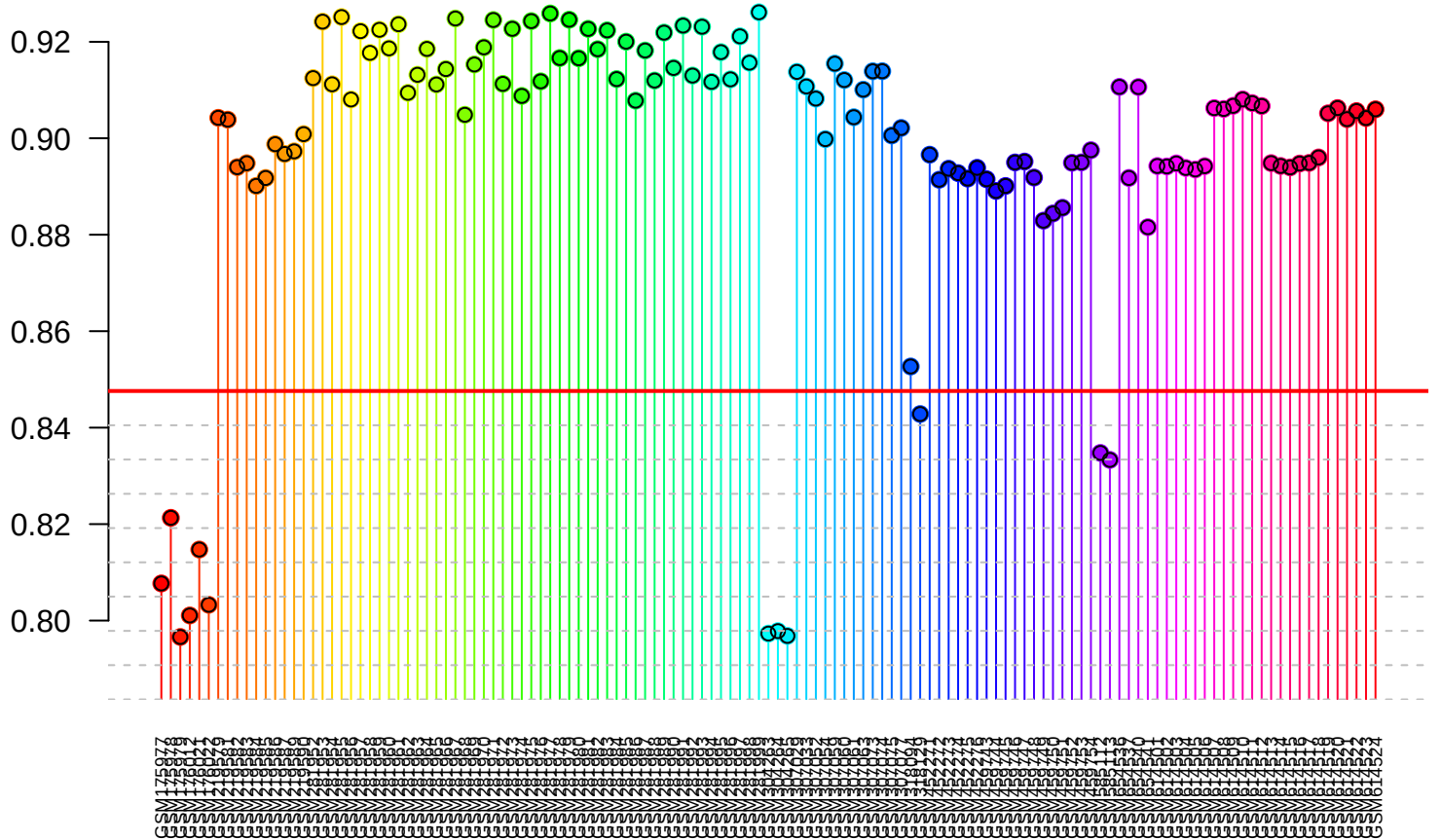
Normalized Data



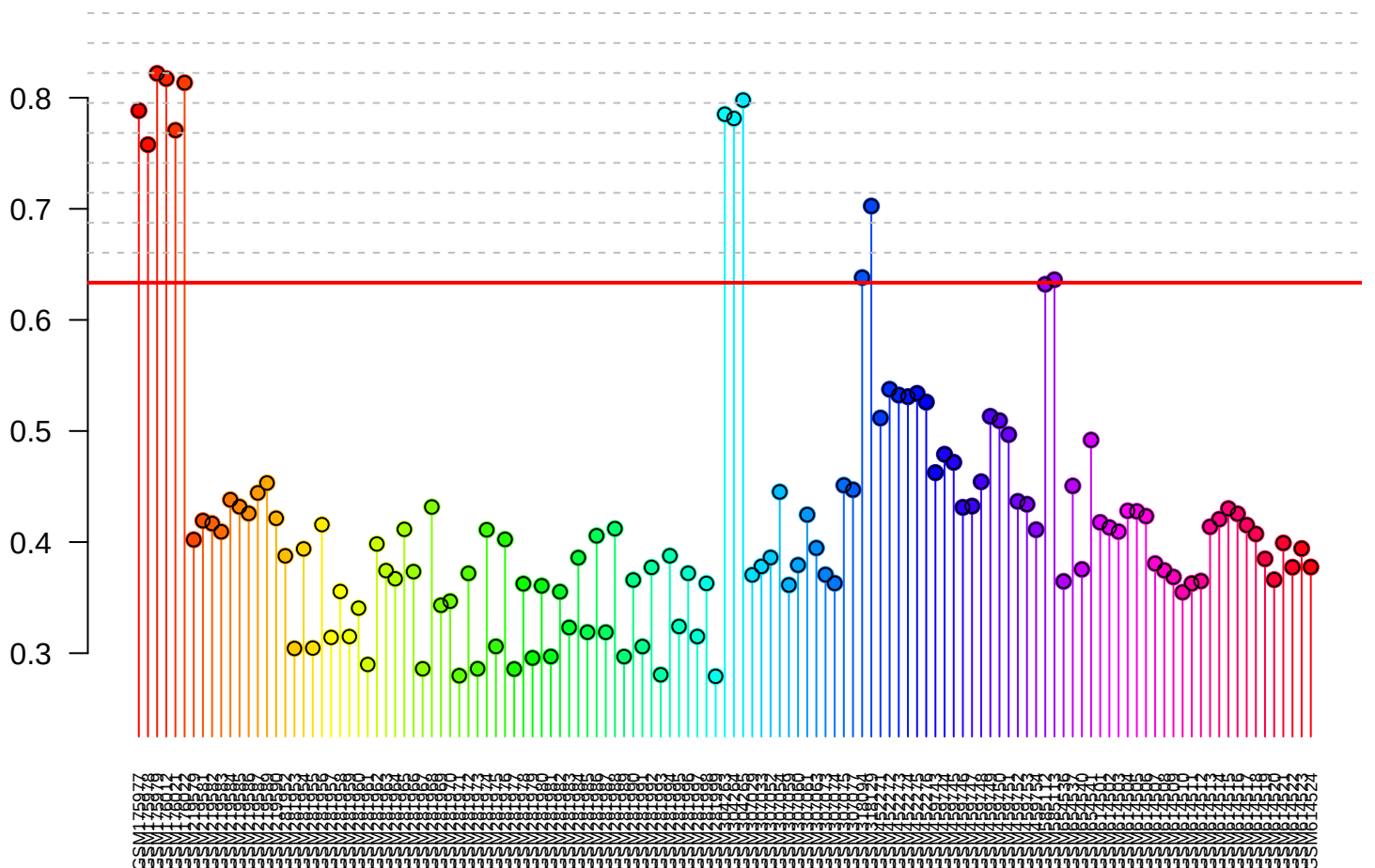
## Between-array Correlation



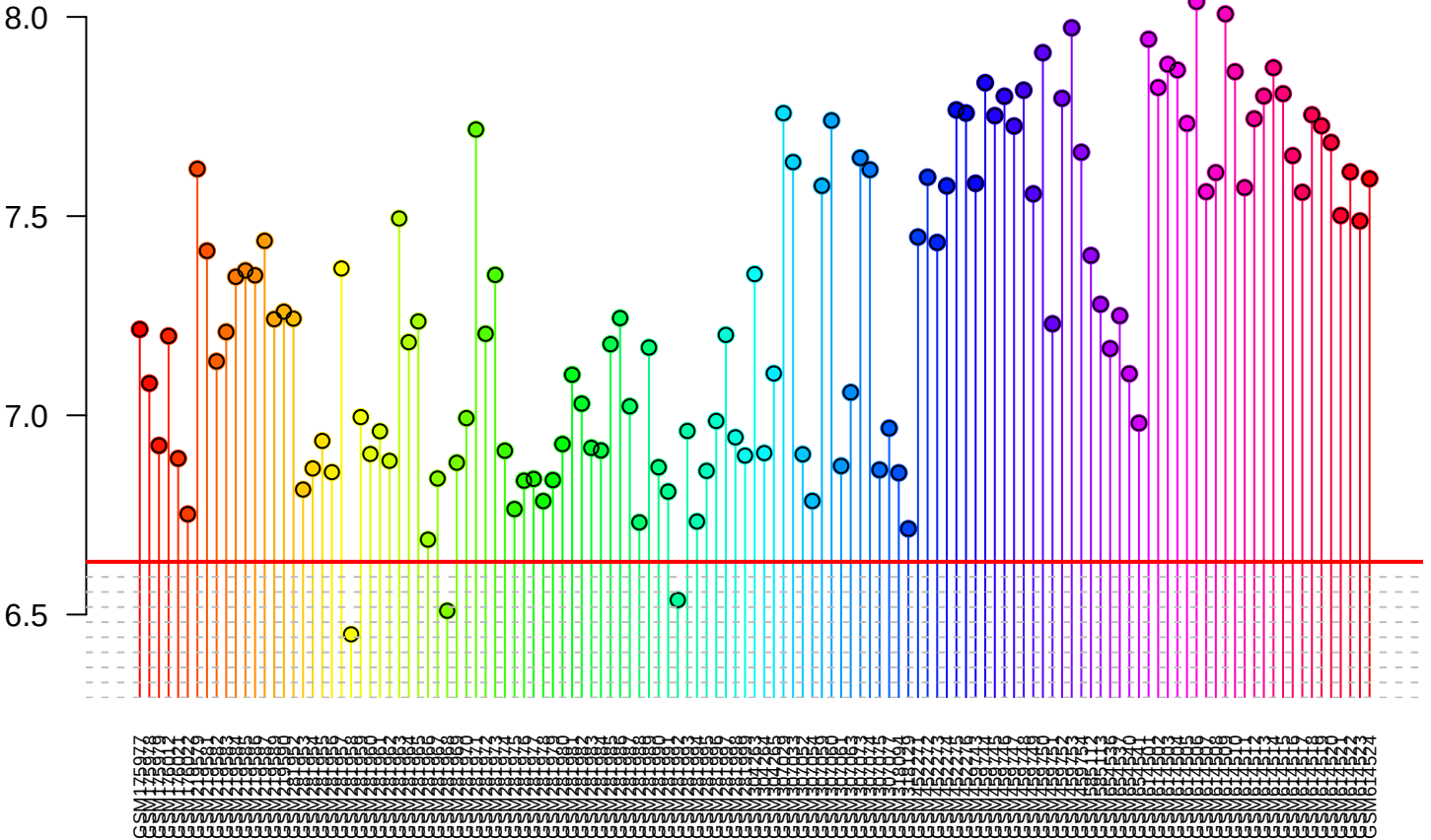
Mean Correlation



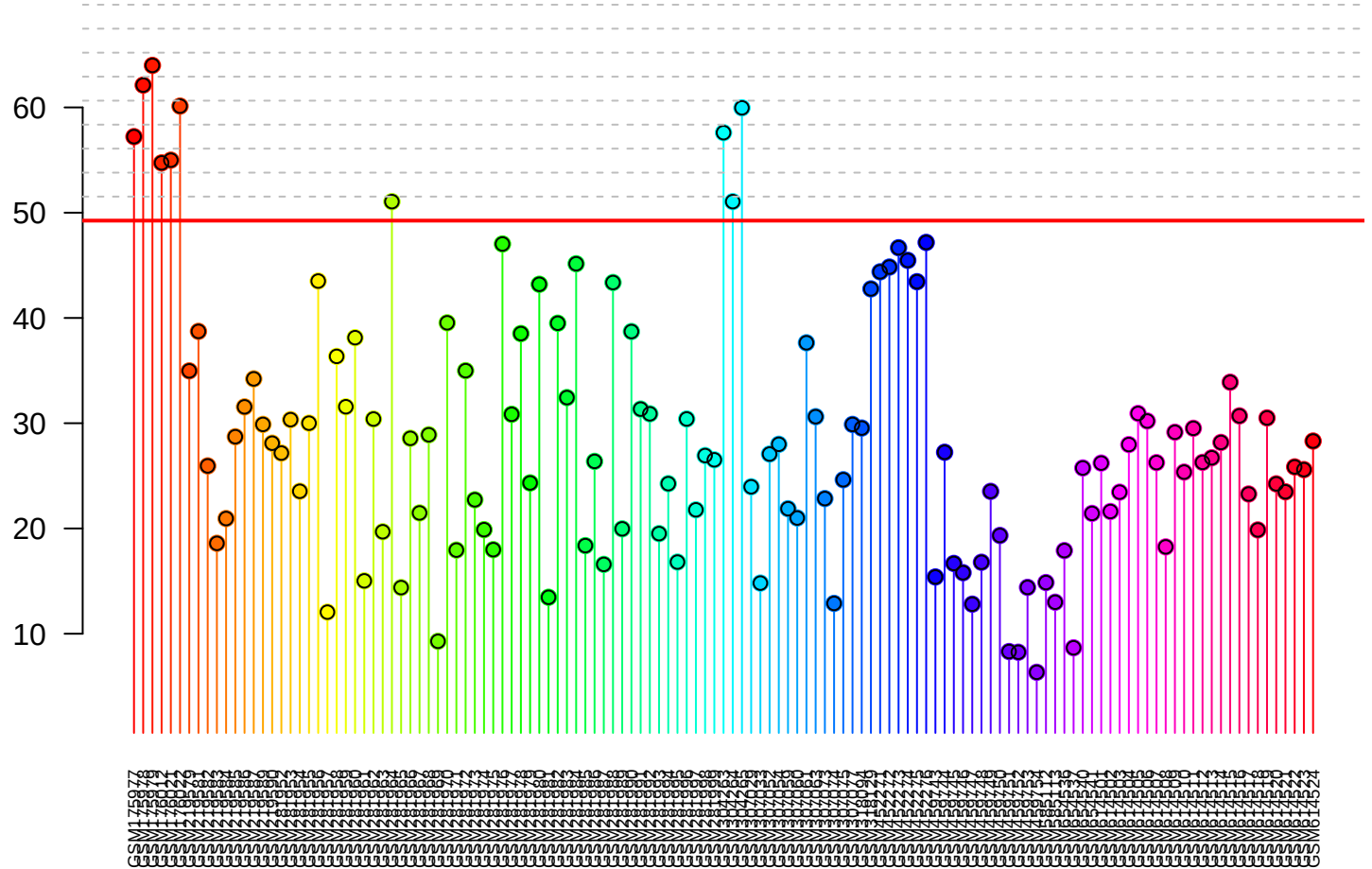
Mean of RLE



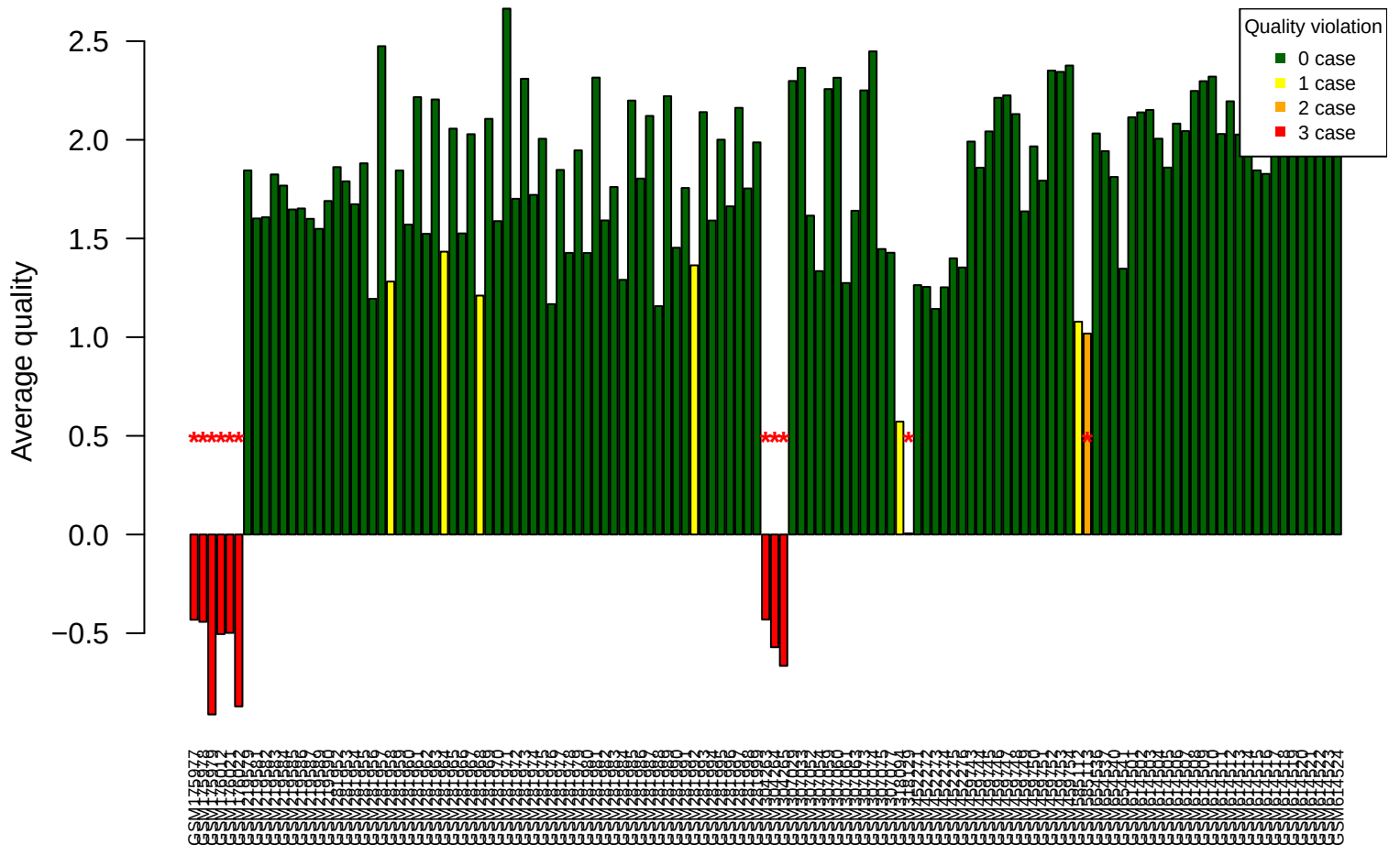
Mean Log2 Expression



MA-plot Bias



## Array Quality Summarization



### Summary

Quality control was performed on 129 microarray experiments with  $\alpha = 0.05$  using 4 metrics:

Mean Correlation, Mean of RLE, Mean Log2 Expression, MA-plot Bias .

Microarray experiments meet quality limits in the following way:

- \* 0 violation: 112
- \* 1 violation: 6
- \* 2 violations: 2
- \* 3 violations: 9
- \* 4 violations: 0

It is suggested to exclude 11 microarray experiments.

Good quality data are saved to dataGoodQuality.txt