

## Supplementary

**Table S1.** Summary of Fluid Inclusion Microthermometry for the Cape Vani Fe-Ba-Mn deposit.

| Sample   | Mineral | Inclusions       | Te (°C)        | T <sub>m-ice</sub> (°C) | Th (°C) | Salinity mass % NaCl equivalent |
|--|---------|------------------|----------------|-------------------------|---------|---------------------------------|
| Shallow stratigraphic level--white smoker structures |         |                  |                |                         |         |                                 |
| MI-04-08   | Barite  | Type I           | -36.0 to -42.4 | -0.2 to -9.4            | 121-226 | 0.3 to 9.7                      |
| Veins-Shallow Stratigraphic Levels                   |         |                  |                |                         |         |                                 |
| MI-04-23   | Quartz  | Type I, Type III | -32.0 to -37.4 | -0.5 to -10.5           | 114-151 | 0.8 to 14.5                     |
| MI-04-23   | Barite  | Type I           | -31 to -35.3   | -1.0 to -9.0            | 120-194 | 1.7 to 12.9                     |
| MI-04-29   | Quartz  | Type I, Type III | -35.4 to -38.0 | -3.9 to -11.5           | 111-140 | 6.2 to 15.5                     |
| MI-04-29   | Barite  | Type I           | -36.0 to -40.0 | -2.0 to -10.1           | 107-250 | 3.3 to 14.1                     |
| MI-03-24A  | Barite  | Type I           | -34.9 to -37.0 | -1.0 to -9.5            | 112-135 | 1.7 to 13.4                     |
| MI-03-23B  | Barite  | Type I           | -32.0 to -36.0 | -0.2 to -4.5            | 95-174  | 0.3 to 7.1                      |
| MI-03-19A  | Barite  | Type I           | -36.0 to -38.0 | -0.6 to -10.0           | 127-296 | 1.0 to 14.0                     |
| MI-04-25*  | Barite  | Type I           | -34.0 to -41.0 | -0.5 to -10.0           | 125-163 | 0.8 to 13.8                     |
| MI-04-24*  | Barite  | Type I           | -33.3 to -42.0 | -2.1 to -9.6            | 152-170 | 3.4 to 13.5                     |
| MI-04-32   | Barite  | Type I           | -30.0 to -36.1 | -1.0 to -9.5            | 105-297 | 1.7 to 13.4                     |
| MI-03-21   | Barite  | Type I           | -34.0 to -37.0 | -0.4 to -7.4            | 118-149 | 0.7 to 10.6                     |
| Veins-Deep stratigraphic levels                      |         |                  |                |                         |         |                                 |
| MI-03-51   | Quartz  | Type I           | -34.8          | -6.8 to -8.0            | 170-196 | 10.2 to 11.7                    |
| MI-03-51   | Barite  | Type I           | -34.6 to -38.0 | -4.2 to -10.2           | 111-185 | 6.7 to 14.2                     |
| MI-03-52   | Quartz  | Type I           | -35.0 to -36.6 | -7.7 to -8.1            | 133-251 | 11.3 to 11.8                    |
| MI-03-52   | Barite  | Type I           | -35.0 to -40.0 | -5.3 to -11.5           | 145-248 | 8.2 to 15.5                     |
| MI-03-45AB   | Quartz  | Type I           | -30.6 to -38.0 | -8.0 to -12.0           | 95-190  | 11.7 to 16.0                    |
| MI-03-45AB   | Barite  | Type I           | -35.0 to -36.0 | -1.0 to -9.5            | 148-200 | 1.7 to 11.7                     |
| MI-04-01   | Quartz  | Type I           | -35.5 to -36.5 | -7.2 to -9.5            | 151-165 | 10.7 to 13.4                    |
| MI-04-01   | Barite  | Type I           | -31.0 to -41.5 | -3.3 to -11.4           | 147-276 | 5.3 to 16.3                     |
| MI-03-50   | Barite  | Type I           | -33.0 to -39.0 | -0.7 to -8.0            | 135-178 | 1.2 to 11.7                     |

Table S2. SIMS analyses of S isotopes in barite, running automated sequence.

| Sample   | Crystal | <sup>32</sup> S cps<br>(× 10 <sup>9</sup> ) | <sup>32</sup> S <sub>sample/av.std</sub> | <sup>34</sup> S/ <sup>32</sup> S<br><i>drift corrected</i> | ± abs      | δ <sup>34</sup> S<br><i>samples</i> | ± ‰  | δ <sup>34</sup> S<br><i>standards</i> | ± ‰  |
|----------|---------|---|--|--|------------|-------------------------------------|------|---------------------------------------|------|
| Standard |         | 0.54  |  | 0.04460110   | 0.00000580 |                                     |      | 22.41                                 | 0.17 |
| Standard |         | 0.55  |  | 0.04459041   | 0.00000815 |                                     |      | 22.16                                 | 0.21 |
| Standard |         | 0.55  |  | 0.04459148   | 0.00000824 |                                     |      | 22.19                                 | 0.21 |
| BD-14    | 2       | 0.54  | 0.98                                     | 0.04464888   | 0.00000727 | 23.50                               | 0.19 |                                       |      |
| Standard |         | 0.56  |  | 0.04459644   | 0.00000745 |                                     |      | 22.30                                 | 0.20 |
| BD-14    | 2       | 0.56  | 1.00                                     | 0.04464567   | 0.00000706 | 23.43                               | 0.19 |                                       |      |
| BD-14    | 2       | 0.53  | 0.96                                     | 0.04465102   | 0.00000805 | 23.55                               | 0.21 |                                       |      |
| BD-14    | 2       | 0.54  | 0.97                                     | 0.04463279   | 0.00000650 | 23.13                               | 0.18 |                                       |      |
| BD-14    | 2       | 0.57  | 1.01                                     | 0.04454125   | 0.00000682 | 21.03                               | 0.19 |                                       |      |
| BD-14    | 2       | 0.55  | 0.98                                     | 0.04460459   | 0.00000794 | 22.49                               | 0.21 |                                       |      |
| Standard |         | 0.56  |  | 0.04459476   | 0.00000751 |                                     |      | 22.26                                 | 0.20 |
| BD-14    | 2       | 0.54  | 0.98                                     | 0.04460909   | 0.00000762 | 22.59                               | 0.20 |                                       |      |
| BD-15    | 2       | 0.54  | 0.98                                     | 0.04465163   | 0.00000615 | 23.56                               | 0.17 |                                       |      |
| BD-15    | 2       | 0.54  | 0.98                                     | 0.04466449   | 0.00000607 | 23.86                               | 0.17 |                                       |      |
| BD-15    | 2       | 0.55  | 0.99                                     | 0.04465251   | 0.00000572 | 23.58                               | 0.17 |                                       |      |
| BD-15    | 2       | 0.54  | 0.97                                     | 0.04464260   | 0.00000677 | 23.36                               | 0.19 |                                       |      |
| BD-15    | 2       | 0.55  | 0.99                                     | 0.04467718   | 0.00000763 | 24.15                               | 0.20 |                                       |      |
| Standard |         | 0.56  |  | 0.04459118   | 0.00000775 |                                     |      | 22.18                                 | 0.20 |
| BD-15    | 2       | 0.53  | 0.94                                     | 0.04465512   | 0.00000656 | 23.64                               | 0.18 |                                       |      |
| BD-15    | 2       | 0.53  | 0.95                                     | 0.04466730   | 0.00000488 | 23.92                               | 0.15 |                                       |      |
| BD-15    | 2       | 0.53  | 0.95                                     | 0.04467847   | 0.00000629 | 24.18                               | 0.18 |                                       |      |
| BD-15    | 2       | 0.53  | 0.95                                     | 0.04466929   | 0.00000664 | 23.97                               | 0.18 |                                       |      |
| BD-15    | 5       | 0.53  | 0.95                                     | 0.04466485   | 0.00000748 | 23.87                               | 0.20 |                                       |      |
| Standard |         | 0.55  |  | 0.04460277   | 0.00000738 |                                     |      | 22.44                                 | 0.20 |
| BD-15    | 5       | 0.54  | 1.00                                     | 0.04448525   | 0.00000573 | 19.75                               | 0.17 |                                       |      |
| BD-15    | 5       | 0.53  | 0.98                                     | 0.04462384   | 0.00000643 | 22.93                               | 0.18 |                                       |      |
| BD-15    | 5       | 0.54  | 0.99                                     | 0.04460742   | 0.00000657 | 22.55                               | 0.18 |                                       |      |
| BD-16    | 8       | 0.53  | 0.97                                     | 0.04464888   | 0.00000643 | 23.50                               | 0.18 |                                       |      |
| BD-16    |         | 0.53  | 0.97                                     | 0.04466365   | 0.00000562 | 23.84                               | 0.16 |                                       |      |
| BD-16    |         | 0.54  | 0.99                                     | 0.04463736   | 0.00000452 | 23.24                               | 0.15 |                                       |      |
| Standard |         | 0.54  |  | 0.04459780   | 0.00000713 |                                     |      | 22.33                                 | 0.19 |
| BD-16    | 9       | 0.52  | 0.97                                     | 0.04465127   | 0.00000438 | 23.56                               | 0.14 |                                       |      |
| BD-16    | 9       | 0.52  | 0.97                                     | 0.04463844   | 0.00000506 | 23.26                               | 0.16 |                                       |      |
| BD-16    | 9       | 0.53  | 0.98                                     | 0.04466218   | 0.00000636 | 23.81                               | 0.18 |                                       |      |

|          |   |      |      |            |            |       |      |       |      |
|----------|---|------|------|------------|------------|-------|------|-------|------|
| BD-16    | 9 | 0.52 | 0.97 | 0.04463810 | 0.00000509 | 23.25 | 0.16 |       |      |
| BD-16    | 9 | 0.52 | 0.97 | 0.04461336 | 0.00000631 | 22.69 | 0.18 |       |      |
| BD-16    | 9 | 0.53 | 0.99 | 0.04463128 | 0.00000519 | 23.10 | 0.16 |       |      |
| Standard |   | 0.54 |      | 0.04459987 | 0.00000767 |       |      | 22.38 | 0.20 |
| BD-16    | 9 | 0.53 | 0.97 | 0.04460829 | 0.00000630 | 22.57 | 0.18 |       |      |
| BD-16    | 9 | 0.52 | 0.96 | 0.04461892 | 0.00000618 | 22.81 | 0.17 |       |      |
| BD-16    | 9 | 0.52 | 0.96 | 0.04459592 | 0.00000365 | 22.29 | 0.13 |       |      |
| BD-16    | 9 | 0.52 | 0.95 | 0.04458153 | 0.00000565 | 21.96 | 0.17 |       |      |
| BD-17    | 7 | 0.52 | 0.95 | 0.04463553 | 0.00000650 | 23.20 | 0.18 |       |      |
| BD-17    | 7 | 0.51 | 0.94 | 0.04463513 | 0.00000650 | 23.19 | 0.18 |       |      |

**Table S3.** SIMS analyses of O isotopes in barite, running automated sequence.

| Sample ID | Crystal | <sup>16</sup> O cps<br>(× 10 <sup>9</sup> ) | <sup>16</sup> O <sub>samp/av.std</sub> | <sup>18</sup> O/ <sup>16</sup> O<br><i>drift corrected</i> | ± abs      | δ <sup>18</sup> O<br><i>samples</i> | ± ‰  | δ <sup>18</sup> O<br><i>standards</i> | ± ‰  |
|-----------|---------|---|--|--|------------|-------------------------------------|------|---------------------------------------|------|
| Standard  |         | 4.93  |  | 0.00203306   | 0.00000036 |                                     |      | 10.85                                 | 0.21 |
| Standard  |         | 4.99  |  | 0.00203369   | 0.00000038 |                                     |      | 11.16                                 | 0.22 |
| BD-14     | 2       | 5.19  | 1.04                                   | 0.00203352   | 0.00000037 | 11.08                               | 0.21 |                                       |      |
| BD-14     | 2       | 5.31  | 1.06                                   | 0.00203320   | 0.00000043 | 10.92                               | 0.24 |                                       |      |
| Standard  |         | 5.24  |  | 0.00203354   | 0.00000039 |                                     |      | 11.09                                 | 0.22 |
| BD-14     | 2       | 5.34  | 1.02                                   | 0.00203184   | 0.00000043 | 10.24                               | 0.24 |                                       |      |
| BD-14     | 2       | 5.37  | 1.02                                   | 0.00203251   | 0.00000042 | 10.58                               | 0.24 |                                       |      |
| BD-14     | 2       | 5.40  | 1.03                                   | 0.00203160   | 0.00000036 | 10.13                               | 0.21 |                                       |      |
| BD-14     | 2       | 5.37  | 1.03                                   | 0.00203249   | 0.00000043 | 10.56                               | 0.24 |                                       |      |
| BD-14     | 2       | 5.36  | 1.02                                   | 0.00203188   | 0.00000046 | 10.26                               | 0.25 |                                       |      |
| BD-14     | 2       | 5.33  | 1.02                                   | 0.00203071   | 0.00000044 | 9.68                                | 0.25 |                                       |      |
| Standard  |         | 5.39  |  | 0.00203308   | 0.00000050 |                                     |      | 10.86                                 | 0.27 |
| BD-14     | 2       | 5.45  | 1.01                                   | 0.00203092   | 0.00000047 | 9.79                                | 0.26 |                                       |      |
| BD-14     | 3       | 5.27  | 0.98                                   | 0.00203256   | 0.00000033 | 10.60                               | 0.20 |                                       |      |
| BD-14     | 3       | 5.17  | 0.96                                   | 0.00203279   | 0.00000035 | 10.71                               | 0.21 |                                       |      |
| BD-14     | 3       | 5.11  | 0.95                                   | 0.00202976   | 0.00000035 | 9.21                                | 0.21 |                                       |      |
| BD-14     | 3       | 5.07  | 0.94                                   | 0.00202702   | 0.00000052 | 7.85                                | 0.28 |                                       |      |
| BD-14     | 3       | 5.11  | 0.95                                   | 0.00203277   | 0.00000032 | 10.71                               | 0.19 |                                       |      |
| Standard  |         | 5.07  |  | 0.00203294   | 0.00000051 |                                     |      | 10.79                                 | 0.27 |
| BD-15     | 2       | 5.14  | 1.01                                   | 0.00203293   | 0.00000040 | 10.78                               | 0.23 |                                       |      |
| BD-15     | 2       | 5.31  | 1.05                                   | 0.00203347   | 0.00000040 | 11.05                               | 0.23 |                                       |      |
| BD-15     | 2       | 5.35  | 1.06                                   | 0.00203383   | 0.00000041 | 11.23                               | 0.23 |                                       |      |
| BD-15     | 2       | 5.43  | 1.07                                   | 0.00203337   | 0.00000043 | 11.01                               | 0.24 |                                       |      |
| BD-15     | 2       | 5.41  | 1.07                                   | 0.00203435   | 0.00000039 | 11.49                               | 0.23 |                                       |      |
| BD-15     | 2       | 5.34  | 1.05                                   | 0.00203401   | 0.00000040 | 11.32                               | 0.23 |                                       |      |
| Standard  |         | 5.35  |  | 0.00203328   | 0.00000037 |                                     |      | 10.96                                 | 0.21 |
| BD-15     | 2       | 5.35  | 1.00                                   | 0.00203389   | 0.00000040 | 11.26                               | 0.23 |                                       |      |

|          |   |      |      |            |            |       |      |       |      |
|----------|---|------|------|------------|------------|-------|------|-------|------|
| BD-15    | 2 | 5.36 | 1.00 | 0.00203312 | 0.00000042 | 10.88 | 0.24 |       |      |
| BD-15    | 2 | 5.38 | 1.01 | 0.00203226 | 0.00000050 | 10.45 | 0.27 |       |      |
| BD-15    | 5 | 5.10 | 0.95 | 0.00202794 | 0.00000082 | 8.31  | 0.42 |       |      |
| BD-15    | 5 | 5.38 | 1.01 | 0.00203266 | 0.00000032 | 10.65 | 0.20 |       |      |
| Standard |   | 5.38 |      | 0.00203343 | 0.00000043 |       |      | 11.03 | 0.24 |
| BD-15    | 5 | 5.36 | 1.00 | 0.00202955 | 0.00000045 | 9.11  | 0.25 |       |      |
| BD-15    | 5 | 5.33 | 0.99 | 0.00202631 | 0.00000034 | 7.49  | 0.20 |       |      |
| BD-15    | 5 | 5.45 | 1.01 | 0.00203203 | 0.00000039 | 10.34 | 0.23 |       |      |
| BD-15    | 5 | 5.45 | 1.01 | 0.00203058 | 0.00000045 | 9.61  | 0.25 |       |      |
| BD-15    | 5 | 5.43 | 1.01 | 0.00203023 | 0.00000048 | 9.44  | 0.26 |       |      |
| BD-15    | 5 | 5.37 | 1.00 | 0.00202855 | 0.00000044 | 8.61  | 0.25 |       |      |
| Standard |   | 5.47 |      | 0.00203307 | 0.00000043 |       |      | 10.86 | 0.24 |
| BD-15    | 5 | 5.52 | 1.01 | 0.00202937 | 0.00000044 | 9.01  | 0.25 |       |      |
| BD-15    | 7 | 5.08 | 0.93 | 0.00203048 | 0.00000028 | 9.57  | 0.18 |       |      |
| BD-15    | 7 | 5.38 | 0.98 | 0.00203151 | 0.00000063 | 10.08 | 0.33 |       |      |
| BD-15    | 7 | 5.46 | 1.00 | 0.00203251 | 0.00000045 | 10.58 | 0.25 |       |      |
| BD-15    | 7 | 5.40 | 0.99 | 0.00203285 | 0.00000042 | 10.74 | 0.24 |       |      |
| BD-15    | 7 | 5.45 | 1.00 | 0.00203344 | 0.00000043 | 11.04 | 0.24 |       |      |
| Standard |   | 5.42 |      | 0.00203306 | 0.00000046 |       |      | 10.85 | 0.26 |
| BD-15    | 7 | 5.40 | 1.00 | 0.00203332 | 0.00000035 | 10.98 | 0.21 |       |      |
| BD-15    | 7 | 5.39 | 1.00 | 0.00203257 | 0.00000035 | 10.60 | 0.21 |       |      |
| BD-15    | 1 | 5.42 | 1.00 | 0.00203461 | 0.00000051 | 11.62 | 0.27 |       |      |
| BD-15    | 1 | 5.37 | 0.99 | 0.00203354 | 0.00000045 | 11.09 | 0.25 |       |      |
| BD-15    | 1 | 5.40 | 1.00 | 0.00203392 | 0.00000036 | 11.28 | 0.21 |       |      |
| BD-15    | 1 | 5.40 | 1.00 | 0.00203393 | 0.00000041 | 11.28 | 0.23 |       |      |
| Standard |   | 5.33 |      | 0.00203371 | 0.00000042 |       |      | 11.17 | 0.24 |
| BD-15    | 1 | 5.61 | 1.05 | 0.00202774 | 0.00000015 | 8.21  | 0.14 |       |      |
| BD-15    | 1 | 5.30 | 0.99 | 0.00203298 | 0.00000040 | 10.81 | 0.23 |       |      |
| BD-15    | 1 | 5.50 | 1.03 | 0.00203282 | 0.00000047 | 10.73 | 0.26 |       |      |
| BD-15    | 4 | 5.30 | 0.99 | 0.00203362 | 0.00000055 | 11.13 | 0.29 |       |      |
| BD-15    | 4 | 5.43 | 1.02 | 0.00203362 | 0.00000037 | 11.13 | 0.21 |       |      |
| BD-15    | 4 | 5.46 | 1.02 | 0.00203306 | 0.00000044 | 10.85 | 0.25 |       |      |
| Standard |   | 5.38 |      | 0.00203348 | 0.00000042 |       |      | 11.06 | 0.24 |
| BD-15    | 4 | 5.26 | 0.98 | 0.00203330 | 0.00000040 | 10.97 | 0.23 |       |      |
| BD-15    | 4 | 5.49 | 1.02 | 0.00203320 | 0.00000040 | 10.92 | 0.23 |       |      |
| BD-15    | 4 | 5.44 | 1.01 | 0.00203302 | 0.00000037 | 10.83 | 0.21 |       |      |
| BD-15    | 4 | 5.50 | 1.02 | 0.00203276 | 0.00000041 | 10.70 | 0.23 |       |      |
| BD-15    | 4 | 5.44 | 1.01 | 0.00202250 | 0.00000047 | 5.60  | 0.26 |       |      |
| BD-16    | 1 | 5.49 | 1.02 | 0.00203256 | 0.00000046 | 10.60 | 0.25 |       |      |
| Standard |   | 5.44 |      | 0.00203370 | 0.00000040 |       |      | 11.17 | 0.23 |
| BD-16    | 1 | 5.53 | 1.02 | 0.00203116 | 0.00000048 | 9.90  | 0.26 |       |      |
| BD-16    | 1 | 5.51 | 1.01 | 0.00203082 | 0.00000045 | 9.74  | 0.25 |       |      |
| BD-16    | 1 | 5.55 | 1.02 | 0.00202982 | 0.00000050 | 9.24  | 0.27 |       |      |

|          |   |      |      |            |            |       |      |       |      |
|----------|---|------|------|------------|------------|-------|------|-------|------|
| BD-16    | 8 | 5.54 | 1.02 | 0.00203327 | 0.00000037 | 10.96 | 0.22 |       |      |
| BD-16    | 8 | 5.61 | 1.03 | 0.00203255 | 0.00000042 | 10.60 | 0.23 |       |      |
| Standard |   | 5.53 |      | 0.00203335 | 0.00000044 |       |      | 11.00 | 0.24 |
| BD-16    | 8 | 5.58 | 1.01 | 0.00203300 | 0.00000044 | 10.82 | 0.25 |       |      |
| BD-16    | 8 | 5.65 | 1.02 | 0.00203291 | 0.00000036 | 10.77 | 0.21 |       |      |
| BD-16    | 8 | 5.64 | 1.02 | 0.00203273 | 0.00000036 | 10.69 | 0.21 |       |      |
| BD-16    | 8 | 5.57 | 1.01 | 0.00203234 | 0.00000045 | 10.49 | 0.25 |       |      |
| BD-16    | 9 | 5.55 | 1.00 | 0.00203270 | 0.00000043 | 10.67 | 0.24 |       |      |
| BD-16    | 9 | 5.61 | 1.01 | 0.00203170 | 0.00000053 | 10.17 | 0.28 |       |      |
| Standard |   | 5.58 |      | 0.00203355 | 0.00000043 |       |      | 11.09 | 0.24 |
| BD-16    | 9 | 5.63 | 1.01 | 0.00203192 | 0.00000042 | 10.28 | 0.24 |       |      |
| BD-16    | 9 | 5.62 | 1.01 | 0.00203188 | 0.00000042 | 10.26 | 0.24 |       |      |
| BD-16    | 9 | 5.67 | 1.02 | 0.00203126 | 0.00000042 | 9.95  | 0.24 |       |      |
| BD-16    | 9 | 5.72 | 1.02 | 0.00203147 | 0.00000040 | 10.06 | 0.23 |       |      |
| BD-16    | 9 | 5.71 | 1.02 | 0.00203094 | 0.00000043 | 9.79  | 0.24 |       |      |
| BD-16    | 9 | 5.77 | 1.03 | 0.00203021 | 0.00000034 | 9.43  | 0.20 |       |      |
| Standard |   | 5.75 |      | 0.00203360 | 0.00000040 |       |      | 11.12 | 0.23 |
| BD-16    | 9 | 5.82 | 1.01 | 0.00202970 | 0.00000047 | 9.18  | 0.26 |       |      |
| BD-16    | 9 | 5.83 | 1.01 | 0.00202901 | 0.00000040 | 8.84  | 0.23 |       |      |
| BD-17    | 7 | 6.21 | 1.08 | 0.00202789 | 0.00000024 | 8.28  | 0.17 |       |      |
| BD-17    | 7 | 6.20 | 1.08 | 0.00202756 | 0.00000026 | 8.11  | 0.17 |       |      |
| BD-17    | 7 | 5.83 | 1.01 | 0.00203365 | 0.00000040 | 11.14 | 0.23 |       |      |
| BD-17    | 7 | 5.89 | 1.02 | 0.00203339 | 0.00000048 | 11.01 | 0.26 |       |      |
| Standard |   | 5.95 |      | 0.00203313 | 0.00000047 |       |      | 10.88 | 0.26 |
| BD-17    | 7 | 5.89 | 0.99 | 0.00203273 | 0.00000038 | 10.68 | 0.22 |       |      |
| BD-17    | 7 | 5.86 | 0.98 | 0.00203227 | 0.00000046 | 10.46 | 0.25 |       |      |
| BD-17    | 7 | 5.65 | 0.95 | 0.00202950 | 0.00000054 | 9.08  | 0.29 |       |      |
| BD-17    | 4 | 5.77 | 0.97 | 0.00203422 | 0.00000042 | 11.43 | 0.24 |       |      |
| BD-17    | 4 | 5.97 | 1.00 | 0.00203383 | 0.00000044 | 11.23 | 0.24 |       |      |
| BD-17    | 4 | 6.08 | 1.02 | 0.00202947 | 0.00000035 | 9.07  | 0.21 |       |      |
| Standard |   | 5.85 |      | 0.00203311 | 0.00000049 |       |      | 10.87 | 0.27 |
| BD-17    | 5 | 5.96 | 1.02 | 0.00203366 | 0.00000051 | 11.15 | 0.28 |       |      |
| BD-17    | 5 | 6.12 | 1.05 | 0.00203344 | 0.00000045 | 11.04 | 0.25 |       |      |
| BD-17    | 5 | 6.12 | 1.05 | 0.00203432 | 0.00000038 | 11.48 | 0.22 |       |      |
| BD-17    | 5 | 6.10 | 1.04 | 0.00203348 | 0.00000048 | 11.06 | 0.26 |       |      |
| BD-17    | 5 | 6.01 | 1.03 | 0.00203279 | 0.00000047 | 10.72 | 0.26 |       |      |
| Standard |   | 5.82 |      | 0.00203353 | 0.00000049 |       |      | 11.08 | 0.27 |
| BD-16    | 6 | 5.67 | 0.97 | 0.00203231 | 0.00000053 | 10.48 | 0.28 |       |      |
| BD-16    | 6 | 5.68 | 0.98 | 0.00203286 | 0.00000044 | 10.75 | 0.25 |       |      |
| BD-16    | 6 | 5.64 | 0.97 | 0.00203301 | 0.00000043 | 10.82 | 0.24 |       |      |
| BD-16    | 6 | 5.77 | 0.99 | 0.00203385 | 0.00000046 | 11.24 | 0.25 |       |      |
| Standard |   | 5.69 |      | 0.00203300 | 0.00000047 |       |      | 10.82 | 0.26 |
| BD-16    | 6 | 5.52 | 0.97 | 0.00203202 | 0.00000045 | 10.33 | 0.25 |       |      |

|          |   |      |      |            |            |       |      |       |      |
|----------|---|------|------|------------|------------|-------|------|-------|------|
| BD-16    | 6 | 5.49 | 0.97 | 0.00203260 | 0.00000045 | 10.62 | 0.25 |       |      |
| BD-16    | 6 | 5.56 | 0.98 | 0.00203212 | 0.00000048 | 10.38 | 0.26 |       |      |
| Standard |   | 5.56 |      | 0.00203327 | 0.00000043 |       |      | 10.95 | 0.24 |
| Standard |   | 5.52 |      | 0.00203341 | 0.00000051 |       |      | 11.02 | 0.28 |
| Standard |   | 5.63 |      | 0.00203363 | 0.00000042 |       |      | 11.13 | 0.24 |

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