

Supplementary Materials: Intra-Population Variation of Secondary Metabolites in *Cistus ladanifer* L.

Cristina Valares Masa, Juan Carlos Alías Gallego, Natividad Chaves Lobón and Teresa Sosa Díaz

Table S1. Total flavonoids and diterpenes (mg/g DW) in exudate in a population of *Cistus ladanifer*, mean, SD, n=100. Ap: apigenin; Ap-4: apigenin 4'-methyl ether; Ap-7: apigenin 7-methyl ether; K-3: kaempferol 3-methyl ether; K-3,7: kaempferol 3,7-di-O-methyl ether; Dt-1: 6 β -acetoxy-7-oxo-8-labden-15-oic acid; Dt-2: 7-oxo-8-labden-15-oic acid; Dt-3: oxocativic acid.

| Individual | Ap | Ap-4 | Ap-7 | K-3 | K-3,7 | Dt-1 | Dt-2 | Dt-3 | Total Compounds | Total Flavonoids | Total Diterpenes |
|------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-----------------|------------------|------------------|
| Group A | | | | | | | | | | | |
| 3 | 0.11 ± 0.01 | 1.09 ± 0.03 | 1.68 ± 0.09 | 1.94 ± 0.11 | 23.01 ± 1.63 | 0.93 ± 0.09 | 0.07 ± 0.01 | 0.11 ± 0.03 | 28.95 | 27.84 | 1.11 |
| 4 | 0.11 ± 0.01 | 0.86 ± 0.07 | 1.85 ± 0.20 | 2.00 ± 0.27 | 20.79 ± 1.58 | 1.32 ± 0.21 | 0.09 ± 0.01 | 0.09 ± 0.01 | 27.10 | 25.61 | 1.50 |
| 5 | 0.17 ± 0.05 | 1.45 ± 0.13 | 2.58 ± 0.07 | 2.27 ± 0.22 | 18.69 ± 1.03 | 1.25 ± 0.21 | 0.08 ± 0.01 | 0.08 ± 0.00 | 26.57 | 25.15 | 1.42 |
| 6 | 0.09 ± 0.03 | 0.91 ± 0.08 | 1.59 ± 0.06 | 0.64 ± 0.02 | 8.55 ± 2.67 | 1.07 ± 0.09 | 0.05 ± 0.01 | 0.03 ± 0.01 | 12.93 | 11.78 | 1.14 |
| 7 | 0.17 ± 0.03 | 1.35 ± 0.12 | 2.82 ± 0.17 | 2.19 ± 0.11 | 18.20 ± 2.35 | 1.38 ± 0.23 | 0.07 ± 0.02 | 0.06 ± 0.00 | 26.24 | 24.73 | 1.51 |
| 8 | 0.27 ± 0.08 | 1.25 ± 0.19 | 1.99 ± 0.07 | 4.64 ± 0.22 | 19.52 ± 4.81 | 1.11 ± 0.19 | 0.07 ± 0.03 | 0.05 ± 0.04 | 28.91 | 27.67 | 1.24 |
| 9 | 0.18 ± 0.03 | 1.12 ± 0.12 | 1.83 ± 0.04 | 3.00 ± 0.23 | 14.76 ± 3.13 | 1.25 ± 0.06 | 0.06 ± 0.01 | 0.05 ± 0.01 | 22.26 | 20.90 | 1.36 |
| 10 | 0.27 ± 0.05 | 1.03 ± 0.10 | 3.56 ± 0.13 | 4.18 ± 0.27 | 25.14 ± 2.85 | 1.32 ± 0.08 | 0.08 ± 0.01 | 0.09 ± 0.01 | 35.68 | 34.19 | 1.50 |
| 11 | 0.32 ± 0.09 | 1.83 ± 0.58 | 2.46 ± 0.15 | 3.55 ± 0.18 | 18.20 ± 2.88 | 1.10 ± 0.06 | 0.06 ± 0.01 | 0.05 ± 0.01 | 27.57 | 26.36 | 1.21 |
| 12 | 0.17 ± 0.04 | 0.98 ± 0.17 | 4.28 ± 0.67 | 4.49 ± 0.26 | 28.81 ± 3.38 | 1.35 ± 0.06 | 0.07 ± 0.01 | 0.09 ± 0.01 | 40.25 | 38.74 | 1.51 |
| 13 | 0.19 ± 0.06 | 0.89 ± 0.17 | 3.48 ± 0.17 | 2.98 ± 0.10 | 16.93 ± 3.68 | 0.72 ± 0.04 | 0.06 ± 0.01 | 0.08 ± 0.03 | 25.33 | 24.47 | 0.86 |
| 14 | 0.11 ± 0.02 | 0.82 ± 0.07 | 1.75 ± 0.08 | 2.87 ± 0.09 | 15.59 ± 2.87 | 0.65 ± 0.05 | 0.04 ± 0.01 | 0.05 ± 0.02 | 21.89 | 21.15 | 0.74 |
| 15 | 0.11 ± 0.01 | 1.41 ± 0.42 | 1.15 ± 0.17 | 3.41 ± 0.17 | 10.46 ± 2.16 | 0.53 ± 0.04 | 0.02 ± 0.00 | 0.04 ± 0.02 | 17.14 | 16.55 | 0.59 |
| 16 | 0.13 ± 0.03 | 0.73 ± 0.03 | 1.35 ± 0.06 | 3.92 ± 0.13 | 13.18 ± 3.13 | 0.64 ± 0.04 | 0.03 ± 0.00 | 0.03 ± 0.02 | 20.00 | 19.30 | 0.70 |
| 17 | 0.09 ± 0.02 | 0.52 ± 0.05 | 1.39 ± 0.17 | 3.18 ± 0.10 | 16.00 ± 3.36 | 0.51 ± 0.02 | 0.03 ± 0.01 | 0.05 ± 0.02 | 21.77 | 21.18 | 0.59 |
| 18 | 0.13 ± 0.02 | 0.86 ± 0.10 | 1.41 ± 0.20 | 3.71 ± 0.21 | 11.25 ± 1.20 | 0.61 ± 0.09 | 0.02 ± 0.00 | 0.04 ± 0.01 | 18.03 | 17.36 | 0.67 |
| 19 | 0.19 ± 0.03 | 0.81 ± 0.12 | 3.13 ± 0.16 | 3.31 ± 0.19 | 14.30 ± 3.37 | 0.60 ± 0.03 | 0.05 ± 0.01 | 0.06 ± 0.01 | 22.44 | 21.74 | 0.71 |
| 20 | 0.05 ± 0.01 | 0.51 ± 0.06 | 0.69 ± 0.03 | 1.13 ± 0.04 | 4.41 ± 0.41 | 0.33 ± 0.07 | 0.02 ± 0.00 | 0.01 ± 0.01 | 7.15 | 6.79 | 0.36 |
| 21 | 0.14 ± 0.05 | 0.96 ± 0.13 | 1.61 ± 0.19 | 2.70 ± 0.06 | 9.65 ± 0.85 | 0.49 ± 0.07 | 0.03 ± 0.01 | 0.03 ± 0.02 | 15.61 | 15.06 | 0.55 |
| 22 | 0.08 ± 0.00 | 0.83 ± 0.05 | 0.92 ± 0.04 | 1.94 ± 0.03 | 6.34 ± 0.92 | 0.39 ± 0.05 | 0.02 ± 0.00 | 0.02 ± 0.00 | 10.55 | 10.11 | 0.44 |
| 23 | 0.11 ± 0.03 | 0.95 ± 0.11 | 1.68 ± 0.15 | 2.54 ± 0.07 | 8.28 ± 0.84 | 0.57 ± 0.08 | 0.03 ± 0.02 | 0.04 ± 0.01 | 14.19 | 13.55 | 0.64 |
| 24 | 0.07 ± 0.01 | 0.63 ± 0.08 | 1.18 ± 0.13 | 2.35 ± 0.09 | 7.51 ± 2.18 | 0.41 ± 0.05 | 0.02 ± 0.01 | 0.03 ± 0.01 | 12.20 | 11.74 | 0.46 |
| 25 | 0.11 ± 0.01 | 0.74 ± 0.06 | 1.30 ± 0.14 | 3.54 ± 0.14 | 8.07 ± 1.66 | 0.51 ± 0.08 | 0.02 ± 0.00 | 0.05 ± 0.01 | 14.34 | 13.76 | 0.58 |
| 26 | 0.07 ± 0.01 | 0.98 ± 0.05 | 1.22 ± 0.04 | 2.50 ± 0.06 | 8.99 ± 0.70 | 0.66 ± 0.04 | 0.02 ± 0.00 | 0.02 ± 0.00 | 14.46 | 13.75 | 0.70 |
| 27 | 0.15 ± 0.05 | 1.01 ± 0.31 | 2.02 ± 0.14 | 5.00 ± 0.39 | 16.30 ± 3.25 | 0.66 ± 0.09 | 0.03 ± 0.01 | 0.03 ± 0.00 | 25.20 | 24.48 | 0.72 |
| 28 | 0.12 ± 0.03 | 0.81 ± 0.08 | 1.36 ± 0.02 | 2.82 ± 0.11 | 6.44 ± 1.43 | 0.42 ± 0.02 | 0.10 ± 0.02 | 0.02 ± 0.01 | 12.09 | 11.55 | 0.54 |
| 29 | 0.06 ± 0.00 | 0.80 ± 0.03 | 0.89 ± 0.07 | 1.72 ± 0.03 | 5.33 ± 1.13 | 0.42 ± 0.07 | 0.06 ± 0.03 | 0.04 ± 0.01 | 9.32 | 8.80 | 0.52 |
| 30 | 0.12 ± 0.01 | 0.93 ± 0.05 | 0.97 ± 0.02 | 3.89 ± 0.18 | 5.64 ± 1.80 | 0.41 ± 0.05 | 0.02 ± 0.00 | 0.04 ± 0.00 | 12.04 | 11.56 | 0.48 |
| 31 | 0.28 ± 0.03 | 2.15 ± 0.24 | 3.21 ± 0.32 | 4.43 ± 0.20 | 12.83 ± 0.56 | 2.17 ± 0.00 | 0.05 ± 0.01 | 0.09 ± 0.03 | 25.23 | 22.91 | 2.32 |
| 33 | 0.30 ± 0.05 | 2.07 ± 0.36 | 3.01 ± 0.12 | 6.14 ± 0.45 | 13.80 ± 2.69 | 1.06 ± 0.05 | 0.07 ± 0.02 | 0.05 ± 0.01 | 26.51 | 25.33 | 1.17 |

Table S1. Cont.

| Individual | Ap | Ap-4 | | Ap-7 | | K-3 | | K-3.7 | | Dt-1 | | Dt-2 | | Dt-3 | | Total Compounds | Total Flavonoids | Total Diterpenes |
|------------|-------------|------|--------|------|--------|------|--------|-------|--------|------|--------|------|--------|------|--------|-----------------|------------------|------------------|
| Group A | | | | | | | | | | | | | | | | | | |
| 34 | 0.18 ± 0.04 | 1.92 | ± 0.15 | 3.17 | ± 0.45 | 6.10 | ± 0.55 | 25.82 | ± 4.48 | 1.07 | ± 0.08 | 0.05 | ± 0.01 | 0.07 | ± 0.02 | 38.37 | 37.18 | 1.19 |
| 35 | 0.13 ± 0.02 | 1.39 | ± 0.12 | 2.04 | ± 0.11 | 4.58 | ± 0.18 | 14.30 | ± 1.57 | 0.82 | ± 0.02 | 0.04 | ± 0.00 | 0.03 | ± 0.01 | 23.33 | 22.44 | 0.89 |
| 36 | 0.15 ± 0.04 | 2.32 | ± 0.28 | 2.81 | ± 0.35 | 3.84 | ± 0.19 | 11.15 | ± 1.20 | 1.76 | ± 0.04 | 0.06 | ± 0.00 | 0.04 | ± 0.02 | 22.13 | 20.27 | 1.86 |
| 38 | 0.16 ± 0.01 | 1.93 | ± 0.22 | 2.52 | ± 0.23 | 3.31 | ± 0.16 | 22.65 | ± 1.18 | 0.54 | ± 0.03 | 0.05 | ± 0.00 | 0.11 | ± 0.01 | 31.27 | 30.57 | 0.69 |
| 39 | 0.27 ± 0.01 | 2.93 | ± 0.26 | 2.98 | ± 0.18 | 3.85 | ± 0.20 | 12.72 | ± 0.87 | 1.69 | ± 0.02 | 0.07 | ± 0.01 | 0.08 | ± 0.01 | 24.59 | 22.75 | 1.84 |
| 40 | 0.28 ± 0.06 | 1.73 | ± 0.14 | 2.61 | ± 0.19 | 7.35 | ± 0.33 | 16.91 | ± 3.47 | 1.92 | ± 0.08 | 0.03 | ± 0.01 | 0.09 | ± 0.03 | 30.92 | 28.89 | 2.03 |
| 47 | 0.18 ± 0.02 | 2.02 | ± 0.19 | 2.98 | ± 0.32 | 3.44 | ± 0.22 | 21.01 | ± 0.84 | 1.47 | ± 0.03 | 0.09 | ± 0.01 | 0.11 | ± 0.01 | 31.30 | 29.63 | 1.67 |
| 48 | 0.21 ± 0.01 | 2.10 | ± 0.18 | 3.72 | ± 0.30 | 5.65 | ± 0.51 | 27.08 | ± 3.40 | 1.24 | ± 0.10 | 0.06 | ± 0.00 | 0.10 | ± 0.01 | 40.16 | 38.76 | 1.40 |
| 49 | 0.17 ± 0.01 | 1.98 | ± 0.04 | 2.61 | ± 0.14 | 4.77 | ± 0.26 | 16.88 | ± 3.62 | 1.18 | ± 0.03 | 0.06 | ± 0.01 | 0.03 | ± 0.01 | 27.67 | 26.41 | 1.26 |
| 51 | 0.23 ± 0.07 | 1.72 | ± 0.12 | 3.46 | ± 0.15 | 3.88 | ± 0.18 | 22.16 | ± 2.52 | 1.07 | ± 0.03 | 0.05 | ± 0.02 | 0.08 | ± 0.04 | 32.66 | 31.45 | 1.20 |
| 56 | 0.16 ± 0.01 | 2.83 | ± 0.14 | 3.24 | ± 0.16 | 2.78 | ± 0.16 | 13.95 | ± 0.69 | 1.79 | ± 0.05 | 0.10 | ± 0.00 | 0.05 | ± 0.01 | 24.89 | 22.95 | 1.93 |
| 57 | 0.21 ± 0.04 | 3.23 | ± 0.34 | 3.21 | ± 0.12 | 2.01 | ± 0.13 | 12.83 | ± 1.41 | 1.69 | ± 0.03 | 0.09 | ± 0.01 | 0.09 | ± 0.01 | 23.36 | 21.49 | 1.87 |
| 59 | 0.13 ± 0.04 | 1.86 | ± 0.13 | 2.62 | ± 0.17 | 1.16 | ± 0.13 | 8.81 | ± 0.29 | 1.28 | ± 0.03 | 0.05 | ± 0.01 | 0.02 | ± 0.00 | 15.95 | 14.59 | 1.36 |
| 60 | 0.19 ± 0.03 | 2.01 | ± 0.07 | 2.57 | ± 0.19 | 2.67 | ± 0.18 | 13.43 | ± 1.69 | 0.98 | ± 0.11 | 0.04 | ± 0.01 | 0.02 | ± 0.00 | 21.91 | 20.87 | 1.04 |
| 61 | 0.21 ± 0.02 | 2.39 | ± 0.09 | 2.80 | ± 0.08 | 2.99 | ± 0.17 | 12.02 | ± 2.37 | 1.40 | ± 0.05 | 0.07 | ± 0.00 | 0.03 | ± 0.00 | 21.92 | 20.42 | 1.50 |
| 62 | 0.26 ± 0.08 | 2.69 | ± 0.50 | 3.52 | ± 0.18 | 3.87 | ± 0.14 | 11.68 | ± 1.71 | 1.79 | ± 0.04 | 0.07 | ± 0.02 | 0.06 | ± 0.02 | 23.93 | 22.01 | 1.92 |
| 65 | 0.20 ± 0.02 | 2.76 | ± 0.40 | 3.37 | ± 0.15 | 1.69 | ± 0.04 | 9.89 | ± 1.39 | 1.78 | ± 0.04 | 0.08 | ± 0.01 | 0.10 | ± 0.00 | 19.87 | 17.91 | 1.96 |
| 66 | 0.22 ± 0.02 | 3.32 | ± 0.40 | 3.71 | ± 0.38 | 2.13 | ± 0.11 | 10.63 | ± 2.25 | 1.18 | ± 0.01 | 0.08 | ± 0.01 | 0.10 | ± 0.01 | 21.37 | 20.01 | 1.36 |
| 67 | 0.27 ± 0.06 | 3.38 | ± 0.30 | 4.16 | ± 0.57 | 2.75 | ± 0.09 | 11.09 | ± 1.30 | 1.34 | ± 0.02 | 0.05 | ± 0.01 | 0.06 | ± 0.01 | 23.11 | 21.66 | 1.45 |
| 68 | 0.30 ± 0.06 | 3.61 | ± 0.16 | 4.10 | ± 0.22 | 3.90 | ± 0.14 | 14.00 | ± 0.87 | 1.16 | ± 0.03 | 0.05 | ± 0.01 | 0.08 | ± 0.02 | 27.21 | 25.92 | 1.29 |
| 70 | 0.18 ± 0.03 | 2.01 | ± 0.05 | 2.67 | ± 0.24 | 3.59 | ± 0.15 | 12.43 | ± 1.30 | 1.23 | ± 0.01 | 0.07 | ± 0.03 | 0.04 | ± 0.01 | 22.22 | 20.88 | 1.33 |
| 71 | 0.18 ± 0.03 | 1.93 | ± 0.19 | 2.86 | ± 0.14 | 3.08 | ± 0.29 | 14.95 | ± 2.62 | 1.17 | ± 0.07 | 0.04 | ± 0.00 | 0.10 | ± 0.05 | 24.30 | 22.99 | 1.31 |
| 72 | 0.21 ± 0.04 | 2.67 | ± 0.15 | 3.19 | ± 0.20 | 4.80 | ± 0.67 | 17.55 | ± 1.49 | 1.89 | ± 0.02 | 0.10 | ± 0.03 | 0.11 | ± 0.04 | 30.52 | 28.42 | 2.10 |
| 74 | 0.23 ± 0.06 | 2.40 | ± 0.40 | 2.27 | ± 0.23 | 5.98 | ± 0.19 | 12.48 | ± 0.98 | 0.98 | ± 0.02 | 0.05 | ± 0.01 | 0.06 | ± 0.02 | 24.44 | 23.35 | 1.09 |
| 78 | 0.25 ± 0.01 | 2.10 | ± 0.20 | 2.72 | ± 0.17 | 5.75 | ± 0.50 | 15.45 | ± 1.58 | 1.08 | ± 0.17 | 0.09 | ± 0.04 | 0.08 | ± 0.02 | 27.50 | 26.26 | 1.24 |
| 81 | 0.20 ± 0.04 | 1.60 | ± 0.61 | 2.66 | ± 0.09 | 6.34 | ± 0.73 | 21.18 | ± 2.00 | 1.42 | ± 0.05 | 0.08 | ± 0.02 | 0.07 | ± 0.01 | 33.55 | 31.99 | 1.56 |
| 82 | 0.16 ± 0.02 | 1.91 | ± 0.15 | 2.67 | ± 0.20 | 3.32 | ± 0.23 | 12.82 | ± 0.45 | 1.59 | ± 0.09 | 0.08 | ± 0.00 | 0.04 | ± 0.00 | 22.58 | 20.88 | 1.70 |
| 85 | 0.27 ± 0.02 | 2.35 | ± 0.07 | 2.85 | ± 0.10 | 4.39 | ± 0.52 | 19.35 | ± 2.02 | 1.61 | ± 0.01 | 0.06 | ± 0.00 | 0.05 | ± 0.00 | 30.91 | 29.19 | 1.72 |
| 88 | 0.31 ± 0.02 | 2.37 | ± 0.16 | 3.08 | ± 0.07 | 7.68 | ± 0.57 | 20.15 | ± 2.46 | 1.69 | ± 0.02 | 0.06 | ± 0.01 | 0.03 | ± 0.00 | 35.37 | 33.60 | 1.78 |
| 89 | 0.18 ± 0.01 | 1.90 | ± 0.16 | 2.47 | ± 0.20 | 7.09 | ± 0.31 | 12.48 | ± 1.05 | 0.90 | ± 0.02 | 0.05 | ± 0.01 | 0.11 | ± 0.02 | 25.17 | 24.12 | 1.06 |
| 93 | 0.17 ± 0.04 | 1.75 | ± 0.10 | 2.56 | ± 0.13 | 4.41 | ± 0.12 | 20.52 | ± 3.27 | 0.66 | ± 0.05 | 0.04 | ± 0.00 | 0.09 | ± 0.02 | 30.19 | 29.40 | 0.78 |
| 94 | 0.19 ± 0.04 | 1.96 | ± 0.10 | 3.70 | ± 0.25 | 4.32 | ± 0.48 | 29.97 | ± 3.13 | 1.06 | ± 0.03 | 0.04 | ± 0.01 | 0.07 | ± 0.02 | 41.31 | 40.14 | 1.17 |
| 96 | 0.19 ± 0.03 | 1.97 | ± 0.12 | 2.88 | ± 0.14 | 2.14 | ± 0.16 | 8.30 | ± 0.47 | 0.95 | ± 0.06 | 0.05 | ± 0.01 | 0.11 | ± 0.01 | 16.60 | 15.48 | 1.11 |
| 97 | 0.13 ± 0.00 | 1.64 | ± 0.20 | 2.70 | ± 0.15 | 2.42 | ± 0.15 | 22.01 | ± 1.50 | 0.85 | ± 0.02 | 0.04 | ± 0.01 | 0.06 | ± 0.02 | 29.85 | 28.91 | 0.94 |
| 99 | 0.24 ± 0.06 | 1.88 | ± 0.16 | 2.61 | ± 1.16 | 2.52 | ± 0.18 | 14.74 | ± 0.09 | 2.03 | ± 0.08 | 0.07 | ± 0.03 | 0.07 | ± 0.01 | 24.15 | 21.98 | 2.17 |
| 100 | 0.24 ± 0.04 | 2.17 | ± 0.24 | 2.94 | ± 0.07 | 5.52 | ± 0.36 | 19.01 | ± 0.91 | 0.89 | ± 0.01 | 0.03 | ± 0.00 | 0.08 | ± 0.02 | 30.89 | 29.89 | 1.01 |

Table S1. Cont.

| Individual | Ap | Ap-4 | | Ap-7 | | K-3 | | K-3.7 | | Dt-1 | | Dt-2 | | Dt-3 | | Total Compounds | Total Flavonoids | Total Diterpenes |
|------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------|-------|------|------|--|------|--|-----------------|------------------|------------------|
| Group B | | | | | | | | | | | | | | | | | | |
| 41 | 0.38 ± 0.07 | 2.76 ± 0.22 | 3.57 ± 0.23 | 8.66 ± 0.66 | 26.85 ± 1.89 | 1.16 ± 0.03 | 0.07 ± 0.01 | 0.08 ± 0.03 | 43.52 | 42.21 | 1.31 | | | | | | | |
| 42 | 0.42 ± 0.05 | 2.52 ± 0.09 | 4.58 ± 0.02 | 11.34 ± 0.72 | 39.49 ± 0.93 | 1.62 ± 0.03 | 0.06 ± 0.02 | 0.14 ± 0.01 | 60.17 | 58.35 | 1.82 | | | | | | | |
| 52 | 0.49 ± 0.03 | 2.71 ± 0.32 | 5.44 ± 0.19 | 8.93 ± 1.47 | 29.88 ± 1.87 | 1.42 ± 0.02 | 0.12 ± 0.02 | 0.03 ± 0.00 | 49.03 | 47.45 | 1.58 | | | | | | | |
| 73 | 0.31 ± 0.10 | 2.13 ± 0.16 | 3.79 ± 0.11 | 11.04 ± 3.39 | 37.40 ± 4.89 | 0.96 ± 0.02 | 0.11 ± 0.01 | 0.04 ± 0.00 | 55.78 | 54.67 | 1.11 | | | | | | | |
| 75 | 0.50 ± 0.06 | 3.26 ± 0.20 | 5.41 ± 0.70 | 14.57 ± 2.27 | 30.56 ± 5.39 | 1.46 ± 0.02 | 0.07 ± 0.01 | 0.08 ± 0.01 | 55.91 | 54.30 | 1.62 | | | | | | | |
| 79 | 0.61 ± 0.09 | 3.75 ± 0.31 | 5.01 ± 0.54 | 12.44 ± 2.41 | 45.64 ± 3.23 | 1.61 ± 0.09 | 0.10 ± 0.02 | 0.09 ± 0.02 | 69.25 | 67.45 | 1.80 | | | | | | | |
| 83 | 0.49 ± 0.07 | 2.87 ± 0.14 | 5.48 ± 0.53 | 10.13 ± 4.73 | 30.32 ± 5.43 | 2.06 ± 0.05 | 0.07 ± 0.01 | 0.08 ± 0.01 | 51.51 | 49.29 | 2.22 | | | | | | | |
| 87 | 0.39 ± 0.09 | 2.45 ± 0.31 | 4.86 ± 0.38 | 9.77 ± 2.86 | 30.73 ± 5.09 | 1.17 ± 0.02 | 0.05 ± 0.01 | 0.11 ± 0.02 | 49.52 | 48.19 | 1.34 | | | | | | | |
| Group C | | | | | | | | | | | | | | | | | | |
| 1 | 0.15 ± 0.05 | 0.96 ± 0.08 | 2.17 ± 0.10 | 3.09 ± 1.94 | 25.92 ± 3.73 | 1.23 ± 0.08 | 0.07 ± 0.04 | 0.18 ± 0.07 | 33.78 | 32.29 | 1.48 | | | | | | | |
| 2 | 0.19 ± 0.04 | 0.91 ± 0.08 | 2.69 ± 0.04 | 3.65 ± 0.35 | 23.72 ± 4.18 | 1.22 ± 0.01 | 0.07 ± 0.01 | 0.16 ± 0.06 | 32.62 | 31.17 | 1.45 | | | | | | | |
| 84 | 0.30 ± 0.08 | 2.06 ± 0.20 | 3.45 ± 0.19 | 5.87 ± 0.36 | 25.87 ± 3.77 | 1.80 ± 0.02 | 0.09 ± 0.01 | 0.19 ± 0.02 | 39.63 | 37.55 | 2.08 | | | | | | | |
| 86 | 0.27 ± 0.01 | 3.00 ± 0.08 | 3.75 ± 0.21 | 4.08 ± 0.29 | 25.76 ± 1.85 | 2.33 ± 0.02 | 0.08 ± 0.00 | 0.18 ± 0.02 | 39.44 | 36.85 | 2.58 | | | | | | | |
| 90 | 0.29 ± 0.03 | 2.46 ± 0.16 | 3.24 ± 0.14 | 7.18 ± 1.21 | 38.43 ± 2.48 | 1.82 ± 0.03 | 0.09 ± 0.01 | 0.19 ± 0.03 | 53.70 | 51.59 | 2.11 | | | | | | | |
| 91 | 0.31 ± 0.02 | 1.89 ± 0.08 | 5.05 ± 0.31 | 2.46 ± 0.16 | 24.52 ± 2.34 | 1.19 ± 0.02 | 0.05 ± 0.01 | 0.16 ± 0.03 | 35.64 | 34.24 | 1.40 | | | | | | | |
| 92 | 0.24 ± 0.06 | 2.89 ± 0.06 | 3.28 ± 0.28 | 3.40 ± 1.44 | 22.70 ± 2.91 | 0.77 ± 0.02 | 0.04 ± 0.01 | 0.23 ± 0.06 | 33.55 | 32.51 | 1.03 | | | | | | | |
| 98 | 0.22 ± 0.02 | 1.75 ± 0.07 | 3.27 ± 0.26 | 4.54 ± 0.56 | 28.70 ± 4.20 | 0.85 ± 0.04 | 0.05 ± 0.00 | 0.18 ± 0.03 | 39.56 | 38.48 | 1.08 | | | | | | | |
| Group D | | | | | | | | | | | | | | | | | | |
| 32 | 0.31 ± 0.04 | 1.98 ± 0.06 | 4.63 ± 0.12 | 7.42 ± 1.36 | 28.47 ± 0.61 | 1.80 ± 0.03 | 0.07 ± 0.01 | 0.14 ± 0.04 | 44.82 | 42.81 | 2.01 | | | | | | | |
| 37 | 0.20 ± 0.06 | 2.38 ± 0.15 | 3.00 ± 0.19 | 4.60 ± 0.12 | 13.72 ± 2.02 | 2.94 ± 0.08 | 0.06 ± 0.01 | 0.12 ± 0.03 | 27.03 | 23.91 | 3.12 | | | | | | | |
| 43 | 0.32 ± 0.04 | 2.10 ± 0.09 | 4.62 ± 0.25 | 7.56 ± 3.83 | 31.27 ± 1.31 | 2.11 ± 0.02 | 0.08 ± 0.01 | 0.09 ± 0.04 | 48.15 | 45.87 | 2.28 | | | | | | | |
| 44 | 0.34 ± 0.02 | 2.42 ± 0.10 | 4.52 ± 0.27 | 4.75 ± 1.10 | 23.82 ± 3.90 | 1.93 ± 0.03 | 0.06 ± 0.04 | 0.11 ± 0.04 | 37.94 | 35.85 | 2.09 | | | | | | | |
| 45 | 0.28 ± 0.02 | 2.81 ± 0.11 | 4.07 ± 0.02 | 4.34 ± 0.66 | 24.39 ± 1.57 | 2.03 ± 0.11 | 0.10 ± 0.01 | 0.09 ± 0.01 | 38.11 | 35.89 | 2.22 | | | | | | | |
| 46 | 0.38 ± 0.01 | 3.09 ± 0.06 | 4.54 ± 0.07 | 4.76 ± 0.34 | 23.59 ± 1.70 | 2.23 ± 0.09 | 0.11 ± 0.01 | 0.13 ± 0.02 | 38.81 | 36.35 | 2.46 | | | | | | | |
| 50 | 0.29 ± 0.01 | 2.91 ± 0.01 | 3.93 ± 0.20 | 2.84 ± 0.37 | 20.66 ± 4.32 | 2.36 ± 0.12 | 0.11 ± 0.01 | 0.07 ± 0.01 | 33.17 | 30.64 | 2.53 | | | | | | | |
| 53 | 0.30 ± 0.05 | 2.97 ± 0.33 | 3.60 ± 0.23 | 7.47 ± 1.36 | 26.85 ± 4.56 | 2.65 ± 0.07 | 0.13 ± 0.04 | 0.07 ± 0.02 | 44.04 | 41.19 | 2.85 | | | | | | | |
| 54 | 0.28 ± 0.00 | 3.39 ± 0.38 | 3.77 ± 0.31 | 3.79 ± 0.84 | 13.04 ± 1.23 | 2.07 ± 0.03 | 0.12 ± 0.04 | 0.06 ± 0.01 | 26.52 | 24.28 | 2.25 | | | | | | | |
| 55 | 0.40 ± 0.02 | 3.65 ± 0.28 | 4.39 ± 0.13 | 11.07 ± 0.69 | 19.74 ± 1.07 | 2.00 ± 0.02 | 0.08 ± 0.01 | 0.15 ± 0.01 | 41.47 | 39.25 | 2.23 | | | | | | | |
| 58 | 0.27 ± 0.03 | 2.98 ± 0.14 | 3.37 ± 0.10 | 3.29 ± 0.70 | 17.70 ± 3.15 | 2.50 ± 0.01 | 0.10 ± 0.01 | 0.05 ± 0.00 | 30.27 | 27.61 | 2.65 | | | | | | | |
| 63 | 0.28 ± 0.03 | 3.63 ± 0.20 | 4.01 ± 0.24 | 4.18 ± 0.85 | 13.37 ± 2.21 | 1.82 ± 0.05 | 0.08 ± 0.01 | 0.13 ± 0.01 | 27.51 | 25.48 | 2.03 | | | | | | | |
| 64 | 0.34 ± 0.07 | 3.46 ± 0.24 | 4.31 ± 0.57 | 4.92 ± 0.91 | 18.83 ± 3.74 | 1.20 ± 0.03 | 0.10 ± 0.02 | 0.09 ± 0.02 | 33.25 | 31.86 | 1.38 | | | | | | | |
| 69 | 0.36 ± 0.09 | 3.23 ± 0.15 | 3.92 ± 0.19 | 6.17 ± 1.92 | 18.35 ± 4.28 | 1.42 ± 0.06 | 0.07 ± 0.01 | 0.13 ± 0.03 | 33.65 | 32.03 | 1.62 | | | | | | | |
| 76 | 0.49 ± 0.10 | 2.98 ± 0.11 | 4.42 ± 0.50 | 8.21 ± 3.32 | 20.13 ± 3.29 | 1.51 ± 0.03 | 0.08 ± 0.03 | 0.11 ± 0.02 | 37.92 | 36.22 | 1.69 | | | | | | | |
| 77 | 0.36 ± 0.06 | 2.98 ± 0.37 | 3.80 ± 0.28 | 6.04 ± 2.96 | 21.00 ± 2.37 | 1.35 ± 0.03 | 0.08 ± 0.01 | 0.08 ± 0.03 | 35.68 | 34.17 | 1.50 | | | | | | | |
| 80 | 0.30 ± 0.08 | 2.73 ± 0.14 | 3.79 ± 0.11 | 7.66 ± 2.26 | 20.27 ± 3.43 | 1.49 ± 0.06 | 0.08 ± 0.02 | 0.11 ± 0.04 | 36.44 | 34.75 | 1.68 | | | | | | | |
| 95 | 0.36 ± 0.02 | 3.35 ± 0.36 | 4.40 ± 0.28 | 7.55 ± 0.44 | 35.26 ± 1.58 | 2.07 ± 0.02 | 0.12 ± 0.01 | 0.09 ± 0.01 | 53.19 | 50.92 | 2.27 | | | | | | | |