S4 Table. Mean final auricle distance (AD) measurement (cm) for Synthetic W7984 parent, Opata M85 parent and 105 recombinant inbred lines (RILs) of Synthetic W7984×Opata M85 under both normal watering (control) and water stress during meiosis.

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| --- | --- | --- | --- |
| **Plant** | **Final AD(cm)** | **Plant** | **Final AD(cm)** |
| **Control** | **Water stress** | **Control** | **Water stress** |
| Synthetic W7984 | 11.60 | 12.32 | SO\_056 | 11.10 | 4.85 |
| Opata M85 | 10.30 | 9.80 | SO\_057 | 11.60 | 9.55 |
| SO\_001 | 11.60 | 8.65 | SO\_058 | 12.85 | 11.00 |
| SO\_002 | 10.50 | 9.80 | SO\_059 | 10.45 | 6.65 |
| SO\_003 | 10.95 | 7.50 | SO\_060 | 10.15 | 6.75 |
| SO\_004 | 11.50 | 7.85 | SO\_061 | 9.20 | 7.25 |
| SO\_005 | 10.90 | 9.10 | SO\_062 | 10.50 | 8.40 |
| SO\_006 | 12.00 | 7.40 | SO\_063 | 12.45 | 11.30 |
| SO\_007 | 10.85 | 6.80 | SO\_064 | 9.85 | 7.00 |
| SO\_008 | 11.00 | 9.05 | SO\_065 | 10.65 | 8.65 |
| SO\_009 | 10.50 | 7.35 | SO\_066 | 10.70 | 7.10 |
| SO\_010 | 9.90 | 9.55 | SO\_067 | 11.25 | 9.15 |
| SO\_011 | 10.40 | 8.15 | SO\_068 | 13.35 | 7.90 |
| SO\_012 | 10.50 | 8.15 | SO\_069 | 10.90 | 11.25 |
| SO\_014 | 10.00 | 8.00 | SO\_071 | 10.40 | 9.40 |
| SO\_015 | 10.50 | 7.85 | SO\_072 | 9.95 | 6.65 |
| SO\_016 | 10.75 | 8.70 | SO\_073 | 8.60 | 8.00 |
| SO\_017 | 11.30 | 8.35 | SO\_074 | 10.15 | 7.75 |
| SO\_018 | 10.50 | 8.40 | SO\_075 | 9.70 | 6.80 |
| SO\_019 | 12.00 | 6.25 | SO\_076 | 11.40 | 7.00 |
| SO\_020 | 11.00 | 9.10 | SO\_077 | 10.10 | 6.70 |
| SO\_021 | 10.00 | 7.15 | SO\_078 | 11.35 | 8.45 |
| SO\_022 | 11.75 | 9.25 | SO\_079 | 11.30 | 8.25 |
| SO\_023 | 12.05 | 8.00 | SO\_080 | 11.55 | 12.25 |
| SO\_024 | 12.00 | 10.15 | SO\_081 | 12.25 | 9.50 |
| SO\_025 | 11.50 | 7.40 | SO\_082 | 12.40 | 7.50 |
| SO\_026 | 11.30 | 7.50 | SO\_083 | 10.75 | 7.80 |
| SO\_029 | 12.30 | 8.65 | SO\_084 | 14.00 | 8.40 |
| SO\_030 | 10.15 | 6.65 | SO\_085 | 11.75 | 6.65 |
| SO\_031 | 11.05 | 10.75 | SO\_086 | 10.85 | 7.75 |
| SO\_032 | 11.80 | 9.00 | SO\_088 | 10.90 | 8.64 |
| SO\_033 | 13.40 | 9.25 | SO\_089 | 9.80 | 8.35 |
| SO\_034 | 11.75 | 7.30 | SO\_090 | 9.65 | 9.30 |
| SO\_035 | 11.40 | 8.65 | SO\_091 | 9.85 | 7.40 |
| SO\_036 | 9.90 | 7.50 | SO\_092 | 14.60 | 10.25 |
| SO\_037 | 11.35 | 10.80 | SO\_093 | 10.65 | 8.60 |
| SO\_038 | 8.85 | 6.90 | SO\_094 | 10.75 | 7.70 |
| SO\_039 | 11.65 | 8.40 | SO\_095 | 10.70 | 9.75 |
| SO\_040 | 11.40 | 6.00 | SO\_096 | 9.85 | 7.85 |
| SO\_041 | 9.00 | 6.70 | SO\_097 | 10.85 | 6.80 |
| SO\_042 | 10.40 | 7.60 | SO\_098 | 11.60 | 9.40 |
| SO\_043 | 8.95 | 8.80 | SO\_099 | 12.60 | 8.20 |
| SO\_044 | 9.60 | 8.70 | SO\_100 | 11.50 | 11.00 |
| SO\_045 | 9.40 | 6.75 | SO\_101 | 10.75 | 8.65 |
| SO\_046 | 9.00 | 8.45 | SO\_102 | 11.20 | 7.30 |
| SO\_047 | 9.85 | 7.60 | SO\_103 | 9.00 | 6.65 |
| SO\_048 | 8.75 | 6.80 | SO\_104 | 10.50 | 7.25 |
| SO\_049 | 9.10 | 7.50 | SO\_106 | 11.65 | 8.75 |
| SO\_050 | 12.25 | 9.40 | SO\_110 | 10.40 | 7.65 |
| SO\_051 | 9.70 | 8.85 | SO\_111 | 13.25 | 10.85 |
| SO\_052 | 10.30 | 10.00 | SO\_112 | 10.90 | 10.00 |
| SO\_053 | 12.20 | 9.80 | SO\_113 | 12.40 | 7.25 |
| SO\_054 | 11.40 | 8.10 | SO\_114 | 10.60 | 9.55 |
| SO\_055 | 12.75 | 12.50 |  |  |  |