**Table S6** The content of main unsaturated fatty acids in *Armeniaca sibirica* seed kernels at different developmental stages. (ug/g)

|  |  |  |
| --- | --- | --- |
|  | replicates | developmental stage |
| SⅠ | SⅡ | SⅢ | SⅣ | SⅤ |
| C18:1 Oleic | 1 | 65.94 | 679.60 | 14600.06 | 25324.82 | 32931.53 |
| 2 | 79.94 | 914.46 | 14506.45 | 24392.91 | 35833.99 |
| 3 | 64.42 | 542.75 | 12213.08 | 27077.60 | 37716.05 |
| 4 | 60.53 | 1242.53 | 19851.29 | 33118.44 | 32799.32 |
| 5 | 68.99 | 1252.48 | 16116.48 | 31869.50 | 28034.44 |
| 6 | 60.72 | 1143.16 | 17328.18 | 33922.17 | 34011.35 |
| Mean±SD | 66.76±7.21C | 962.49±301.22C | 15769.26±2639.01B | 29284.24±4180.11A | 33554.45±3290.98A |
| C18:2 Linoleic | 1 | 99.87 | 1481.16 | 12177.66 | 16421.06 | 20910.90 |
| 2 | 162.09 | 1790.02 | 12480.87 | 18829.14 | 22972.73 |
| 3 | 121.82 | 1176.06 | 11344.30 | 18240.29 | 25524.43 |
| 4 | 155.95 | 2057.95 | 15570.98 | 21642.60 | 19756.66 |
| 5 | 119.60 | 2273.36 | 13036.03 | 25468.64 | 19616.23 |
| 6 | 141.42 | 1932.24 | 12772.01 | 18522.42 | 19171.72 |
| Mean±SD | 133.46±23.85C | 1785.13±399.46C | 12896.98±1434.34B | 19854.03±3222.91A | 21325.45±2471.35A |
| Other Unsaturated fatty acids | 1 | 137.49 | 256.87 | 469.81 | 573.32 | 717.59 |
| 2 | 178.59 | 204.50 | 521.39 | 613.70 | 798.63 |
| 3 | 161.59 | 192.96 | 503.62 | 647.98 | 1031.87 |
| 4 | 147.08 | 229.69 | 547.67 | 816.55 | 774.67 |
| 5 | 147.72 | 305.04 | 601.25 | 803.59 | 674.73 |
| 6 | 143.72 | 269.25 | 546.51 | 697.14 | 699.78 |
| Mean±SD | 152.70±14.95C | 243.05±42.18C | 531.71±44.80B | 692.05±100.14A | 782.88±130.52A |

Six biological replicates were performed for each developmental stage. Different capital letters indicate significant differences (*p* < 0.01).