

Identification and classification of *Coix seed* storage years based on hyperspectral imaging technology combined with deep learning

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Table S1 The feature wavelengths selected by successive projections algorithm.

	Number	Characteristic wavelengths (nm)
YN	21	1651.82, 773.39, 1728.12, 453.75, 914.25, 1886.18, 957.59, 865.49, 578.36, 1095.88, 1444.70, 746.30, 2224.10, 486.26, 2305.86, 1357.49, 659.62, 948.72, 1989.74, 954.17, 2436.67
GZ	16	1401.10, 1204.89, 908.84, 2229.56, 1439.25, 963.01, 843.82, 1095.88, 1989.74, 486.26, 464.59, 610.86, 432.079969, 2458.47, 1935.23, 415.83

Table S2 The feature wavelengths selected by competitive adaptive reweighted sampling algorithm.

	Number	Characteristic wavelengths (nm)
YN	108	426.66, 448.33, 453.75, 464.59, 470.00, 486.26, 491.67, 535.02, 540.43, 551.27, 556.69, 600.03, 605.44, 670.46, 692.13, 702.96, 773.39, 784.23, 789.64, 795.06, 800.48, 827.57, 832.98, 838.40, 843.82, 865.49, 908.83, 914.25, 919.67, 973.84, 979.26, 984.68, 948.72, 954.17, 959.62, 965.07, 1003.22, 1019.57, 1025.02, 1030.47, 1035.92, 1041.37, 1068.63, 1074.08, 1139.48, 1144.93, 1150.38, 1155.83, 1161.28, 1188.53, 1204.89, 1215.79, 1221.24, 1226.69, 1232.14, 1237.59, 1243.04, 1248.49, 1302.99, 1308.44, 1313.89, 1319.34, 1330.24, 1335.69, 1341.14, 1346.60, 1422.90, 1428.35, 1450.15, 1461.05, 1466.50, 1471.95, 1510.11, 1531.91, 1537.36, 1597.31, 1602.76, 1608.21, 1613.66, 1624.56, 1630.01, 1640.91, 1673.62, 1706.32, 1711.77, 1728.12, 1793.52, 1798.97, 1809.88, 1858.93, 1864.38, 1869.83, 1897.08, 1913.43, 1929.78,

		1967.94, 1978.84, 1984.29, 2016.99, 2066.04, 2098.74, 2196.85, 2240.45, 2267.71, 2300.41, 2311.31, 2327.66, 2507.52
GZ	108	464.59, 486.26, 507.93, 513.34, 535.02, 540.43, 545.85, 551.27, 567.52, 589.19, 610.86, 621.70, 627.11, 643.37, 665.04, 670.46, 719.21, 724.63, 730.05, 735.47, 746.30, 784.23, 800.48, 822.15, 865.49, 870.91, 876.33, 887.16, 892.58, 903.41, 914.25, 946.76, 957.59, 968.43, 954.17, 959.62, 992.32, 1025.02, 1074.08, 1095.88, 1150.38, 1166.73, 1215.79, 1226.69, 1237.59, 1243.04, 1248.49, 1270.29, 1275.74, 1281.19, 1292.09, 1308.44, 1319.34, 1324.79, 1330.24, 1335.69, 1341.14, 1357.50, 1362.95, 1379.30, 1390.20, 1395.65, 1401.10, 1406.55, 1412.00, 1428.35, 526.46, 1575.51, 1580.96, 1586.41, 1635.46, 1662.72, 1679.07, 1684.52, 1695.42, 1733.57, 1837.13, 1864.38, 1875.28, 1880.73, 1886.18, 1891.63, 1902.53, 1973.39, 1978.84, 1984.29, 2006.09, 2011.54, 2027.89, 2033.34, 2055.14, 2066.04, 2109.65, 2115.10, 2120.55, 2131.45, 2175.05, 2185.95, 2218.65, 2224.10, 2229.55, 2240.45, 2256.81, 2278.61, 2365.81, 2442.12, 2458.47, 2480.27