

Table S1. Eigenvalues, contributions and accumulative contribution of the principal components for *A. sativa* and *A. nuda* under salt stress.

Principal component	Eigen value	Rate of variance	Accumulative contribution
1	10.147	63.420	63.420
2	2.587	16.166	79.586
3	1.084	6.773	86.359

Table S2. Factor loading matrix of the first three principal components in four oat cultivars under salt stress.

Indicator	Principal component 1	Principal component 2	Principal component 3
PH	0.911	0.144	0.172
FLW	0.644	0.684	0.017
ST	0.255	0.813	-0.114
ADW	0.954	0.111	0.084
AFW	0.944	0.164	-0.126
UDW	0.898	0.387	0.026
UFW	0.882	0.391	0.161
TCC	0.283	0.303	-0.844
NPR	0.925	-0.292	-0.046
TR	0.948	-0.222	-0.025
SC	0.923	-0.201	-0.030
ICDC	-0.690	0.571	0.115
SOD	0.771	-0.335	0.207
POD	0.808	0.148	0.345
MDA	-0.619	0.400	0.283
PRO	-0.812	0.457	0.143

Abbreviation: PH: plant height; FLW: flag leaf width; ST: stem thick; ADW: aboveground dry weight; AFW: aboveground fresh weight; UDW: underground dry weight; UFW: underground fresh weight; TCC: total chlorophyll content; NPR: net photosynthetic rate; TR: transpiration rate; SC: stomatal conductance; ICDC: intercellular carbon dioxide concentration; SOD: superoxide dismutase activity; POD: peroxidase activity; MDA: malondialdehyde content; PRO: proline content.