

Table S1. Median values of nitrate content (mg kg⁻¹ DW) of 36 beetroot genotypes grown at the research station Kleinhohenheim within the year 2017 and 2018, based on genotype and storage period. Results represent the median values \pm asymptotic standard error. Medians followed by at least one identical lower-case letter did not differ significantly between genotypes at experiment-wise Type 1 error $\alpha = 0.05$. Medians followed by at least one identical upper-case letter did not differ significantly between storage periods at experiment-wise Type 1 error $\alpha = 0.05$.

(A) Medians based on genotype	
Genotype	Nitrate (mg kg⁻¹ DW)
Ä. P.	10160 ^{ac} \pm 1975
Akela RZ	13509 ^{ac} \pm 2279
Alvro Mono	16438 ^{ab} \pm 2539
Betina	7166 ^{ac} \pm 1676
Bolivar	8253 ^{ac} \pm 1781
Bona	16794 ^{ab} \pm 2540
Bordo	8691 ^{ac} \pm 1827
Boro F1	12100 ^{ac} \pm 2157
BoRu1	8685 ^{ac} \pm 1848
Borus	6365 ^{bcd} \pm 1613
Burpees G.	12306 ^{ac} \pm 2175
Carillon RZ	15532 ^{ad} \pm 2443
Cervena K.	8896 ^{ac} \pm 1893
Ceryl	5838 ^{bcd} \pm 1534
Chrobry	4179 ^c \pm 1267
Czerwona K. 2	8209 ^{ac} \pm 1811
Detroit 2 D. R.	8103 ^{ac} \pm 1812
Detroit 3	11757 ^{ac} \pm 2147
Detroit G.	11788 ^{ac} \pm 2186
Formanova	13534 ^{ac} \pm 2306
Forono	12177 ^{ac} \pm 2179
Gesche SG	12406 ^{ac} \pm 2183
Jannis	10737 ^{ac} \pm 2031
Jawor	11555 ^{ac} \pm 2107
Libero RZ	20489 ^a \pm 2988
Monty RZ F1	7327 ^{ac} \pm 1678
Nobol	12474 ^{ac} \pm 2190
Nochowski	4602 ^{cd} \pm 1330
Pablo F1	13615 ^{ac} \pm 2310
Regulski O.	9359 ^{ac} \pm 1896
Robuschka	11129 ^{ac} \pm 2067
Ronjana	13002 ^{ac} \pm 2236
Hilmar	5190 ^{bcd} \pm 1412
Sniezna Kula	9987 ^{ac} \pm 1979
Tondo d. Ch.	15947 ^{ad} \pm 2678
UB-E3	12745 ^{ac} \pm 2235
(B) Medians based on storage period	
Storage period	
Directly after harvest	9095 ^B \pm 414
1 month after cold storage	10977 ^A \pm 459
4 months after cold storage	10997 ^A \pm 473