Table 1 Variation among Fe, Zn & Protein content in diverse common bean genotypes

	Mean ± SE*			Fe/ Zn		Fe/Protein		Zn/Protein	
Genotype	Fe	Zn	Protein	t−value/df	p−value	t−value	p−value	t−value	p−value
P1	1.055 ± 029^{abcdefgh}	0.950 ± 203^{r}	22.80 ± 1.15470^{fghi}	6.059/2	.026	−18.879/ 2	.003	−19.260/2	.003
P2	1.297 ± 566^{defghijk}	0.480 ± 173^{abcd}	14.80 ± 57735^{b}	20.833/2	.002	−25.929/ 2	.001	−25.572/2	.002
P3	0.8423 ± 245^{abcde}	0.650 ± 147^{ghijkl}	18.00 ± 1.73205^{bcde}	19.55/ 2	.003	−10.048/2	.010	−10.103/2	.010
P4	1.192 ± 577^{abcdefghi}	0.589 ± 202^{efghij}	22.80 ± 2.19393^{fghi}	16.132/2	.004	−10.115/2	.010	−10.219/2	.009
P5	1.822 ± 289^{mno}	0.467 ± 011^{abc}	20.80 ± 46188^{defg}	48.889/ 2	.000	−43.828/2	.001	−44.132/2	.001
P6	1.013 ± 075^{abcdefgh}	0.615 ± 028^{fghijkl}	18.00 ± 1.15470^{bcde}	86.170/2	.000	−14.807/2	.005	−15.094/2	.004
P7	1.755 ± 029^{klmno}	1.056 ± 288^{s}	22.80 ± 1.15470^{fghi}	26.905/ 2	.001	−18.271/2	.003	−19.314/2	.003
P8	1.076 ± 092^{abcdefgh}	0.483 ± 145^{abcd}	19.60 ± 80829^{cdef}	107.469/ 2	.000	−23.182/2	.002	−24.080/2	.002
P9	1.273 ± 577^{cdefghij}	0.688 ± 577^{klmn}	18.80 ± 1.15470^{bcdef}	−28.773/ 2	.000	−15.978/2	.004	−16.511/2	.004
P10	1.344 ± 017^{fghijkl}	0.669 ± 173^{jklm}	16.00 ± 2.30940^{bc}	43.278/ 2	.001	−6.351/2	.024	−6.689/2	.022
P11	1.419 ± 109^{hijklm}	0.703 ± 017^{lmn}	24.80 ± 46188^{ghij}	77.500/ 2	.000	−51.853/2	.000	−52.368/2	.000
P12	2.557 ± 069^{p}	0.601 ± 057^{fghijk}	19.60 ± 69282^{cdef}	1.691/ 2	.000	−24.848/2	.002	−27.653/2	.001
P13	1.089 ± 577^{abcdefgh}	1.127 ± 057st	27.60 ± 34641^{jk}	−.727/2	**.543**	−91.836/2	.000	−77.716/2	.000
P14	0.902 ± 011^{abcdefgh}	0.528 ± 089^{bcdef}	26.60 ± 92376^{ijk}	48.319/2	.000	−18.421/2	.003	−28.491/2	.001
P15	1.213 ± 075^{bcdefghi}	0.598 ± 289^{fghijk}	26.60 ± 1.38564^{ijk}	28.775/2	.001	−27.854	.001	−19.164/2	.003
P16	0.853 ± 349^{abcdef}	0.464 ± 002^{abc}	24.80 ± 92376^{ghij}	11.114/2	.008	−26.943/2	.001	26.344/2	.001
P17	1.321 ± 052^{efghijkl}	1.091 ± 173st	24.80 ± 1.32791^{ghij}	18.970/2	.003	−17.751/2	.003	−18.090/2	.003
P18	6.746 ± 577^{t}	0.656 ± 289^{ijklm}	20.80 ± 1.50111^{defg}	210.962/2	.000	−9.737/2	.010	−13.682/2	.005
P19	1.148 ± 271^{abcdefghi}	0.762 ± 004no	20.80 ± 1.50111^{defg}	14.382/2	.005	−17.429/2	.003	−17.358/2	.003
R1	3.673 ± 900^{q}	1.482 ± 577^{v}	22.80 ± 57735^{fghi}	69.087/2	.000	−32.038/2	.001	−41.027/2	.001
R2	**7.22 ± 404**^{u}	0.449 ± 173^{ab}	18.00 ± 1.03923^{bcde}	293.155/2	.000	−10.793/2	.008	−17.174/2	.003
R3	1.30 ± 288^{efghijk}	0.542 ± 230^{bcdef}	16.80 ± 92376^{bcd}	131.252/2	.000	−17.321/2	.003	−18.051/2	.003
R4	0.771 ± 288^{ab}	0.587 ± 012^{efghij}	22.00 ± 57735^{efgh}	6.641/2	.022	−38.705/2	.001	−37.163/2	.001
R5	1.247 ± 173^{bcdefghij}	0.616 ± 035^{fghijkl}	14.40 ± 1.21244^{b}	43.772/2	.001	−11.006/2	.008	−11.397/2	.008
R6	1.416 ± 034^{hijklm}	0.55 ± 002^{cdef}	18.800 ± 1.32791^{bcdef}	249.993/2	.000	−13.126/2	.006	−13.743/2	.005
R7	0.889 ± 115^{abcdefg}	0.563 ± 230^{cdefghi}	18.00 ± 1.44338^{bcde}	28.206/2	.001	−11.950/2	.007	−12.277/2	.007
R8	1.013 ± 075^{abcdefgh}	0.475 ± 115^{abc}	20.80 ± 17321 ^{defg}	132.681/2	.000	−119.415/2	.000	−125.726/2	.000
R9	4.739 ± 052^{r}	0.812 ± 057^{opq}	24.80 ± 1.32791^{ghij}	6.802/2	.000	−15.167/2	.004	−18.143/2	.003
R10	1.129 ± 029^{abcdefgh}	0.803 ± 017^{op}	16.00 ± 1.09697^{bc}	282.178/2	.000	−13.592/2	.005	−13.387/2	.005
KS1	1.225 ± 029^{bcdefghij}	0.576 ± 429^{defghij}	20.80 ± 1.96299^{defg}	16.217/2	.004	−9.987/2	.010	−10.533/2	.009
KS2	1.375 ± 115^{ghijklm}	0.749 ± 173^{mno}	22.00 ± 1.73205^{efgh}	108.513/2	.000	−11.988/2	.007	−12.393/2	.006

Continued Table 1

	Mean ± SE*			Fe/ Zn		Fe/Protein		Zn/Protein	
Genotype	Fe	Zn	Protein	t−value/df	p−value	t−value	p−value	t−value	p−value
KS3	0.99 ± 231^{abcdefgh}	0.919 ± 577^{r}	25.60 ±1.90526^{hijk}	2.584/2	**.123**	−13.586/2	.005	−13.359/2	.006
KS4	1.791 ± 225^{lmno}	1.582 ± 917^{x}	16.80 ± 98150^{bcd}	3.017/2	**.095**	−15.651/2	.004	−17.105/2	.003
KS5	1.423 ± 058^{hijklm}	0.575 ± 296^{defghij}	18.80 ±1.38564^{bcdef}	35.572/2	.001	−12.593/2	.006	−13.440/2	.005
KS6	1.05 ± 289^{abcdefgh}	**0.427 ± 176^{a}**	**31.60 ± 2.25167^{l}**	55.319/2	.000	−13.744/2	.005	−13.953/2	.005
KS7	0.914 ± 049^{abcdefg}	0.815 ± 057^{opq}	14.40 ± 69282^{b}	114.200/2	.000	−19.605/2	.003	−19.774/2	.003
KS8	6.34 ± 577^{s}	0.484 ± 173^{abcd}	16.00 ±1.15470^{bc}	144.896/2	.000	−8.806/2	.013	−13.642/2	.005
KS9	0.972 ± 289^{abcdefgh}	1.167 ± 704^{t}	16.80 ± 00000^{bcd}	−4.689/2	.043	−548.291/2	.000	−221.944/2	.000
KS10	1.368 ± 289^{ghijklm}	0.662 ± 289^{jklm}	18.00 ±1.73205^{bcde}	142.896/2	.000	−9.765/2	.010	−10.180/2	.010
KS11	2.098 ± 577^{o}	0.489 ± 288^{abcde}	14.40 ± 23094^{b}	55.505/2	.000	−71.026/2	.000	−68.801/2	.000
K12	**0.711 ± 0577^{a}**	0.553 ± 289^{cdefg}	**7.20 ± 69282^{a}**	6.820/2	.021	−9.445/2	.011	−10.012/2	.010
K13	0.862 ± 289^{abcdef}	0.556 ± 289^{cdefgh}	18.00 ±1.15470^{bcde}	1.311/2	.000	−15.222/2	.004	−15.494/2	.004
K14	0.797 ± 115^{abc}	0.466 ± 289^{abc}	29.60 ±2.94449^{kl}	19.110/2	.003	−9.820/2	.010	−9.992/2	.010
K15	0.853 ± 289^{abcdef}	**1.931 ± 346^{y}**	16.80 ± 23094^{bcd}	−186.670/2	.000	−78.917/2	.000	−75.747/2	.000
K16	1.701 ± 006^{jklmno}	0.895 ± 461^{qr}	24.00 ± 00000^{ghij}	17.676/2	.003	−3.862/2	.000	−500.242/2	.000
K17	1.19 ± 404^{abcdefghi}	1.363 ± 115^{u}	16.80 ± 92376^{bcd}	−5.993/2	.027	−17.671/2	.003	−16.923/2	.003
K18	0.800 ± 003^{abcd}	0.534 ± 062^{bcdef}	26.80 ± 34641^{ijk}	42.284/2	.001	−75.056/2	.000	−77.227/2	.000
K19	1.928 ± 049no	0.943 ± 168^{r}	20.80 ± 98150^{defg}	80.881/2	.001	−19.319	.003	−20.584/2	.002
K20	1.627 ± 115^{ijklmn}	0.912 ± 074^{r}	24.00 ±1.90526^{ghij}	174.205/2	.000	−11.814/2	.007	−12.165/2	.007
B1	1.004 ± 023^{abcdefgh}	0.654 ± 439^{hijklm}	18.00 ±1.50111^{bcde}	8.400/2	.014	−11.340/2	.008	−11.903	.007
B2	1.073 ± 230^{abcdefgh}	0.886 ± 2304^{pqr}	15.20 ± 80829^{bc}	173.105/2	.000	−17.992/2	.003	−18.203	.003
Avg	1.81 ± 1.21	0.78 ± 0.31	20.31 ± 0.40						

Note: *****Mean ±SE values with different superscripts between the genotypes within the same column are significantly different from each other (ANOVA; DUNCAN post−hoc; $P<0.05$)