

Figure 8 _ figure supplement 1
bna2 knock-out strains grown in SDcasaWU medium ± Adenine

Peak area

| Metabolite | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | Mean | Mean | SD | SD | Unpaired t-test |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-----------------|
| | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | - Ade | + Ade | - Ade | + Ade | - Ade vs + Ade |
| ATP | 178 | 187 | 160 | 162 | 174 | 174 | 197 | 198 | 222 | 204 | 207 | 188 | 207 | 217 | 217 | 222 | 219 | 240 | 254 | 217 | 216 | 229 | 213 | 251 | 226 | 247 | 225 | 222 | 191 | 228 | 19.53 | 13.77 | 5.5E-06 | | |
| Nicotinic Acid | 4.12 | 4.22 | 4.22 | 4.42 | 4.32 | 4.42 | 4.37 | 4.37 | | | | | | | | 4.12 | 3.92 | 3.57 | 4.22 | 3.98 | 4.20 | 3.82 | 3.72 | | | | | | 4.31 | 3.94 | 0.11 | 0.23 | 2.6E-03 | | |
| NaMN | 0.35 | 0.47 | 0.49 | 0.39 | 0.39 | 0.41 | 0.47 | 0.44 | | | | | | | | 0.23 | 0.32 | 0.28 | 0.29 | 0.28 | 0.32 | 0.31 | 0.34 | | | | | | 0.43 | 0.30 | 0.05 | 0.03 | 4.2E-05 | | |
| NaAD ⁺ | 8.36 | 8.46 | 6.87 | 6.97 | 7.07 | 7.36 | 6.87 | 7.66 | 6.58 | 7.27 | 7.45 | 6.84 | 6.75 | 7.53 | 10.00 | 9.85 | 6.87 | 8.46 | 7.66 | 9.95 | 8.81 | 6.97 | 7.71 | 8.31 | 9.87 | 8.40 | 8.31 | 8.83 | 7.29 | 8.57 | 0.57 | 1.06 | 7.3E-04 | | |
| NAD ⁺ | 6.48 | 8.18 | 9.28 | 9.18 | 7.88 | 9.47 | 9.18 | 9.18 | 7.68 | 8.08 | 6.89 | 6.99 | 7.48 | 7.48 | 8.98 | 8.58 | 8.98 | 11.97 | 9.47 | 11.17 | 10.17 | 9.47 | 9.36 | 9.55 | 9.45 | 10.34 | 10.93 | 9.36 | 8.10 | 9.84 | 1.00 | 0.96 | 7.5E-05 | | |

Relative peak area

| Metabolite | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | Mean | Mean | SD | SD | Unpaired t-test |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-----------------|
| | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | - Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | + Ade | - Ade | + Ade | - Ade | + Ade | - Ade vs + Ade |
| ATP | 0.78 | 0.82 | 0.70 | 0.71 | 0.76 | 0.76 | 0.86 | 0.87 | 0.97 | 0.89 | 0.91 | 0.82 | 0.90 | 0.95 | 0.95 | 0.97 | 0.96 | 1.05 | 1.11 | 0.95 | 0.94 | 1.00 | 0.93 | 1.10 | 0.99 | 1.08 | 0.99 | 0.97 | 0.84 | 1.00 | 0.09 | 0.06 | 5.5E-06 | |
| Nicotinic Acid | 1.04 | 1.07 | 1.07 | 1.12 | 1.10 | 1.12 | 1.11 | 1.11 | | | | | | | | 1.04 | 0.99 | 0.90 | 1.07 | 1.01 | 1.07 | 0.97 | 0.94 | | | | | | 1.09 | 1.00 | 0.03 | 0.06 | 2.6E-03 | |
| NaMN | 1.18 | 1.58 | 1.65 | 1.31 | 1.31 | 1.38 | 1.58 | 1.50 | | | | | | | | 0.77 | 1.08 | 0.94 | 0.99 | 0.94 | 1.08 | 1.04 | 1.15 | | | | | | 1.44 | 1.00 | 0.17 | 0.11 | 4.2E-05 | |
| NaAD ⁺ | 0.98 | 0.99 | 0.80 | 0.81 | 0.82 | 0.86 | 0.80 | 0.89 | 0.77 | 0.85 | 0.87 | 0.80 | 0.79 | 0.88 | 1.17 | 1.15 | 0.80 | 0.99 | 0.89 | 1.16 | 1.03 | 0.81 | 0.90 | 0.97 | 1.15 | 0.98 | 0.97 | 1.03 | 0.85 | 1.00 | 0.07 | 0.12 | 7.3E-04 | |
| NAD ⁺ | 0.66 | 0.83 | 0.94 | 0.93 | 0.80 | 0.96 | 0.93 | 0.93 | 0.78 | 0.82 | 0.70 | 0.71 | 0.76 | 0.76 | 0.91 | 0.87 | 0.91 | 1.22 | 0.96 | 1.13 | 1.03 | 0.96 | 0.95 | 0.97 | 0.96 | 1.05 | 1.11 | 0.95 | 0.82 | 1.00 | 0.10 | 0.10 | 7.5E-05 | |

| |
|--------------|
| p>0.05 |
| 0.05<p>0.01 |
| 0.01<p>0.001 |
| p<0.001 |