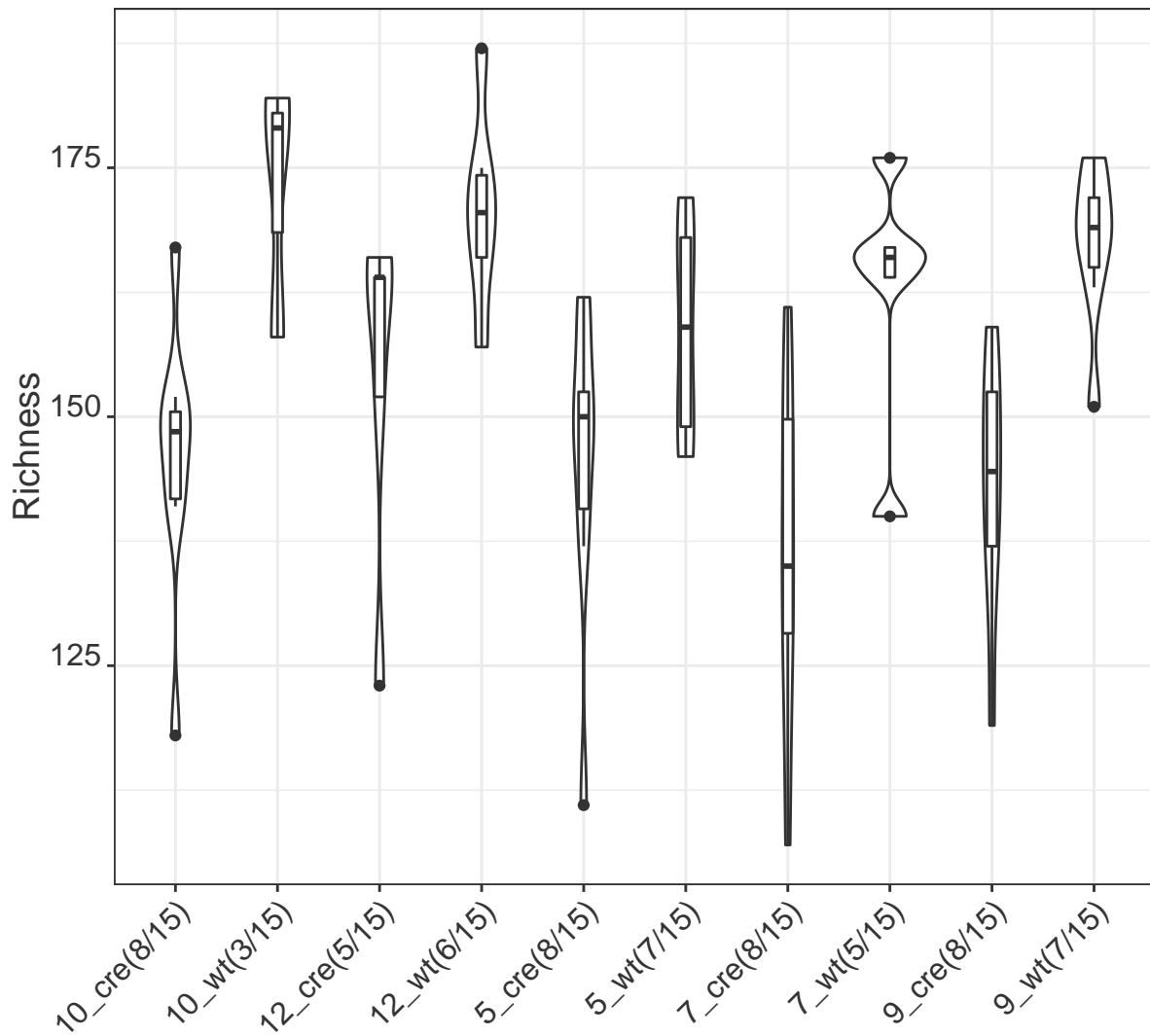


Richness



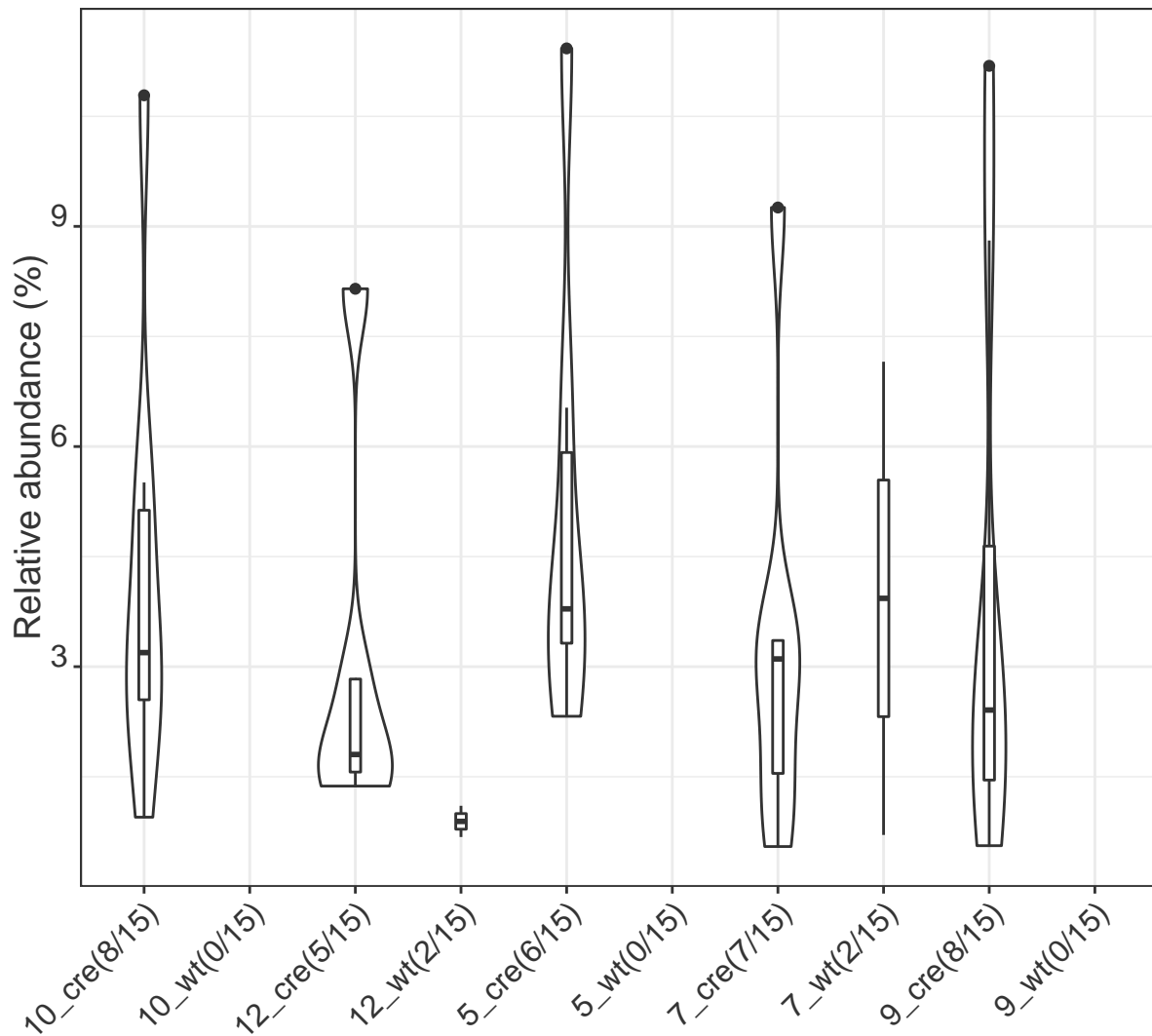
Friedman Test – all groups

| | P-value | Adj. p-value |
|----------|---------|--------------|
| Richness | 0.0485 | 0.1582 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–4 | 0.0355 | 0.1997 |
| 1–10 | 0.0223 | 0.1997 |
| 4–5 | 0.0313 | 0.1997 |
| 4–7 | 0.0355 | 0.1997 |
| 4–9 | 0.0313 | 0.1997 |
| 5–10 | 0.0156 | 0.1997 |
| 7–10 | 0.0223 | 0.1997 |
| 9–10 | 0.0223 | 0.1997 |

OTU_31



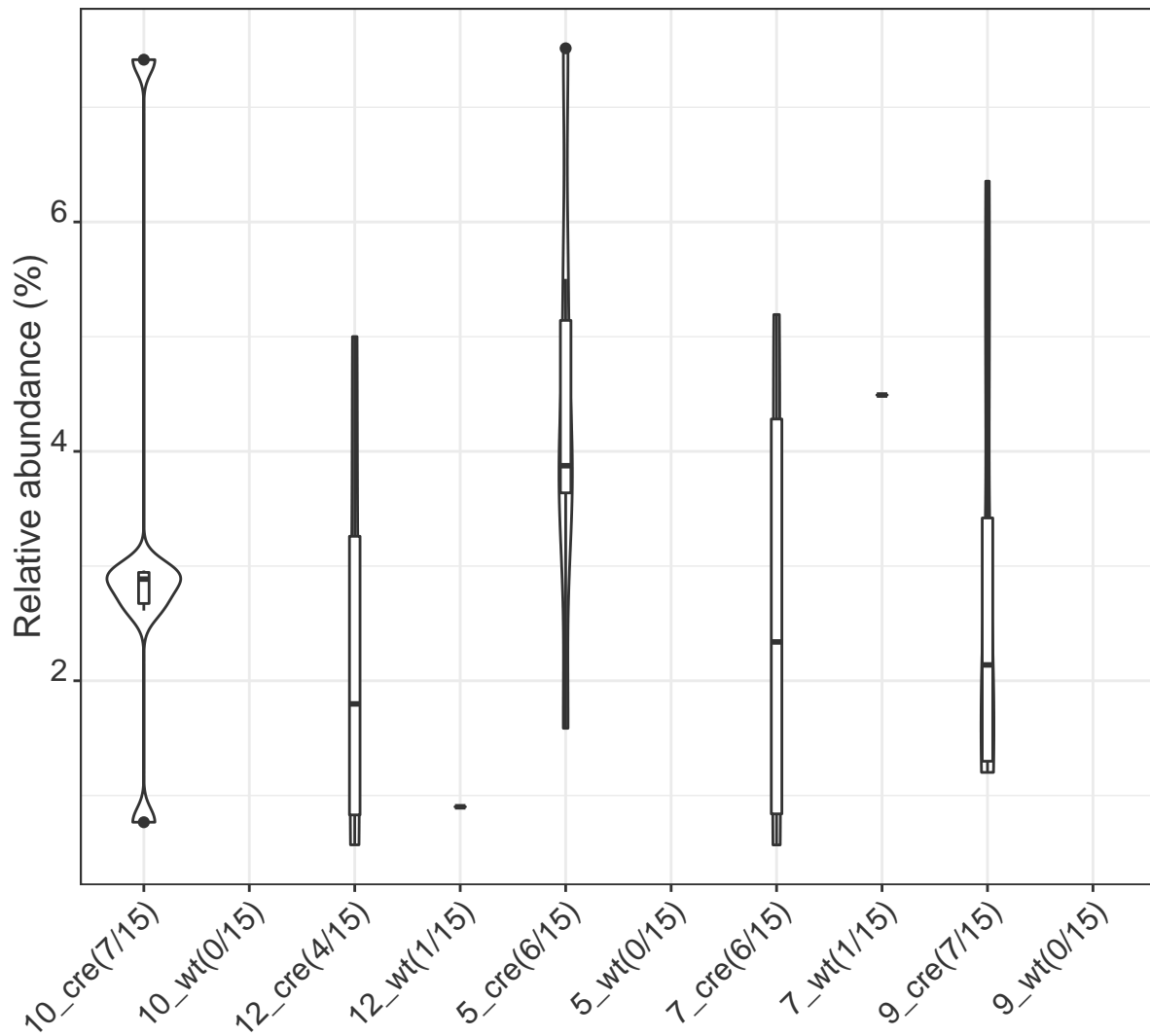
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_31 | 0 | 0 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–2 | 0.0022 | 0.0165 |
| 1–6 | 0.0022 | 0.0165 |
| 1–10 | 0.0022 | 0.0165 |
| 2–3 | 0.0421 | 0.1189 |
| 2–5 | 0.0169 | 0.0634 |
| 2–7 | 0.0063 | 0.0315 |
| 2–9 | 0.0022 | 0.0165 |
| 3–6 | 0.0421 | 0.1189 |
| 3–10 | 0.0421 | 0.1189 |
| 5–6 | 0.0169 | 0.0634 |
| 5–10 | 0.0169 | 0.0634 |
| 6–7 | 0.0063 | 0.0315 |
| 6–9 | 0.0022 | 0.0165 |
| 7–10 | 0.0063 | 0.0315 |
| 9–10 | 0.0022 | 0.0165 |

OTU_39



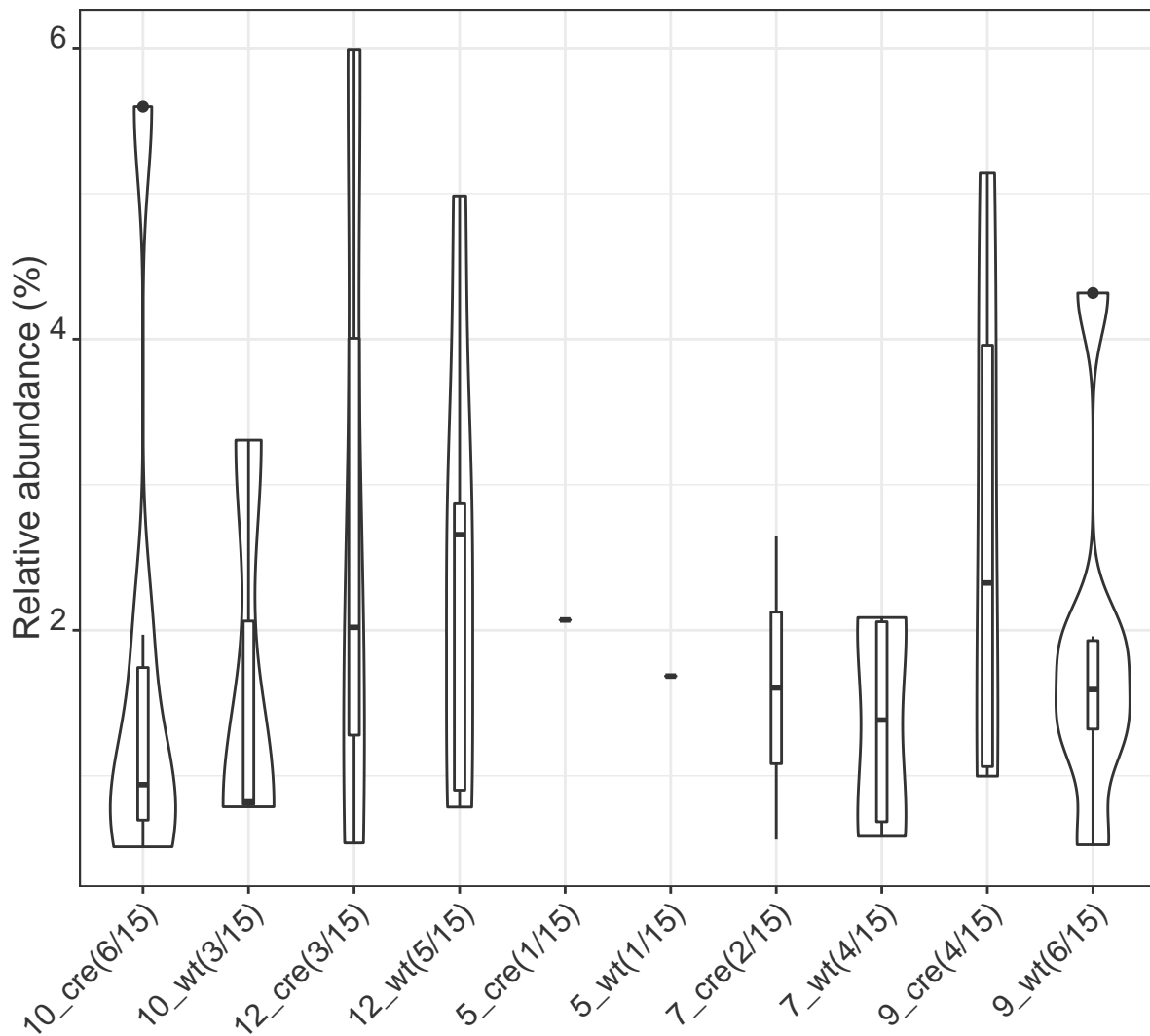
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_39 | 0 | 0 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–2 | 0.0063 | 0.0472 |
| 1–4 | 0.0352 | 0.0990 |
| 1–6 | 0.0063 | 0.0472 |
| 1–8 | 0.0352 | 0.0990 |
| 1–10 | 0.0063 | 0.0472 |
| 2–5 | 0.0169 | 0.0634 |
| 2–7 | 0.0169 | 0.0634 |
| 2–9 | 0.0063 | 0.0472 |
| 4–9 | 0.0352 | 0.0990 |
| 5–6 | 0.0169 | 0.0634 |
| 5–10 | 0.0169 | 0.0634 |
| 6–7 | 0.0169 | 0.0634 |
| 6–9 | 0.0063 | 0.0472 |
| 7–10 | 0.0169 | 0.0634 |
| 8–9 | 0.0352 | 0.0990 |
| 9–10 | 0.0063 | 0.0472 |

OTU_17



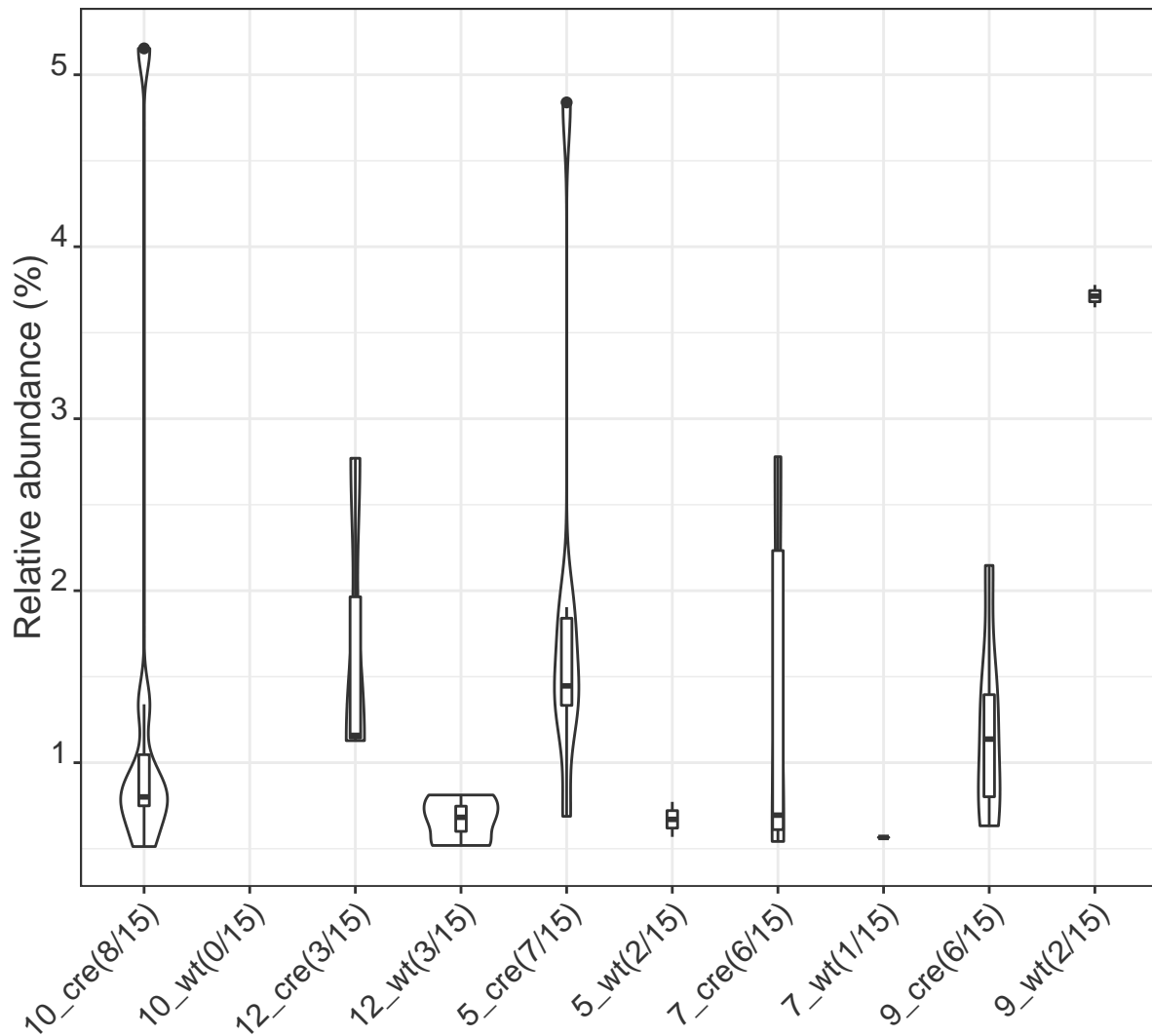
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_17 | 4e-04 | 0.0038 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 4e-04 | 0.0038 |

OTU_12



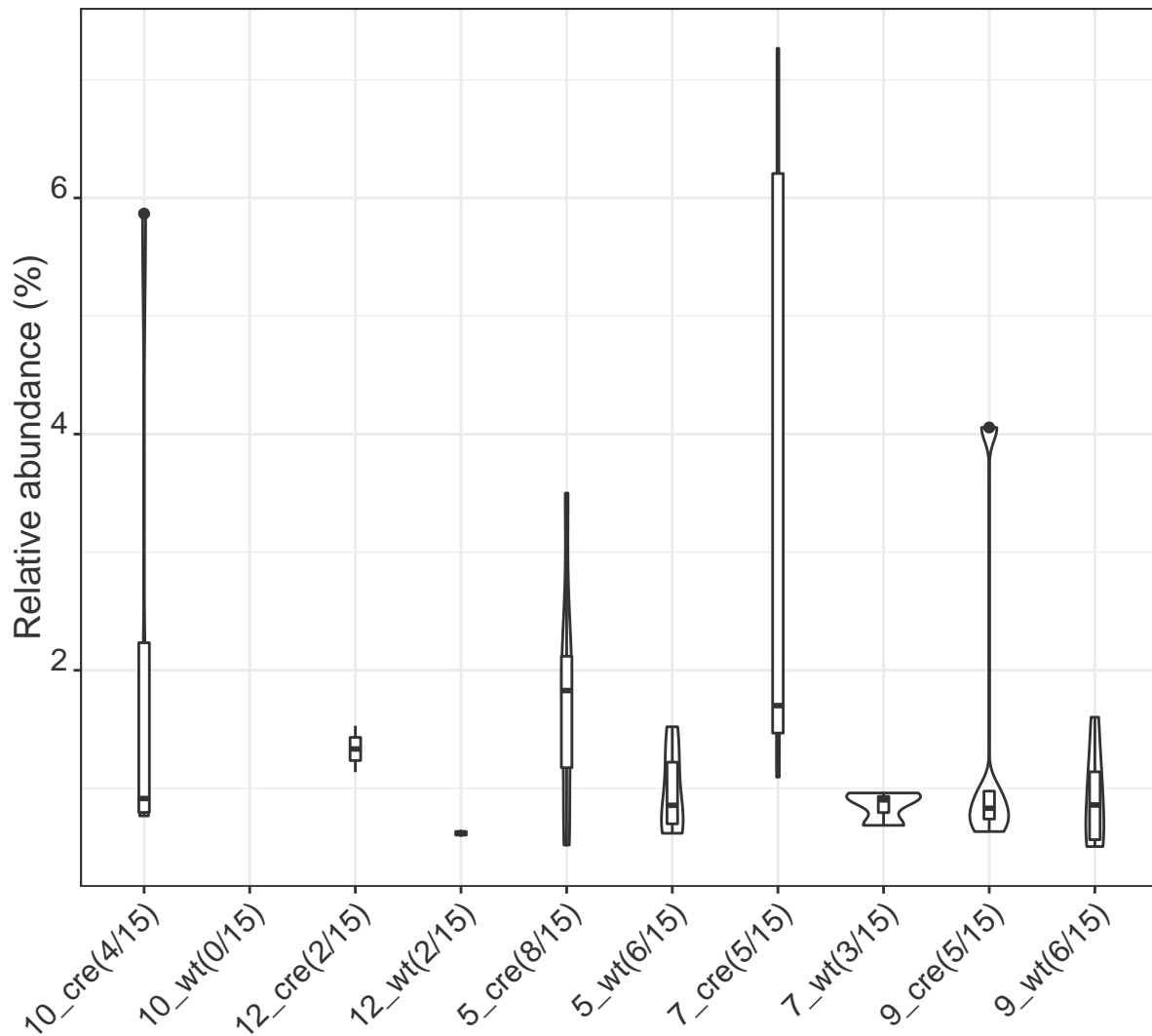
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_12 | 0.0029 | 0.016 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–2 | 0.0022 | 0.0990 |
| 1–8 | 0.0142 | 0.1521 |
| 2–5 | 0.0063 | 0.1417 |
| 2–7 | 0.0169 | 0.1521 |
| 2–9 | 0.0169 | 0.1521 |
| 5–8 | 0.0352 | 0.2640 |

OTU_19



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_19 | 0.0301 | 0.1449 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_19 | 0.0149 | 0.0657 |

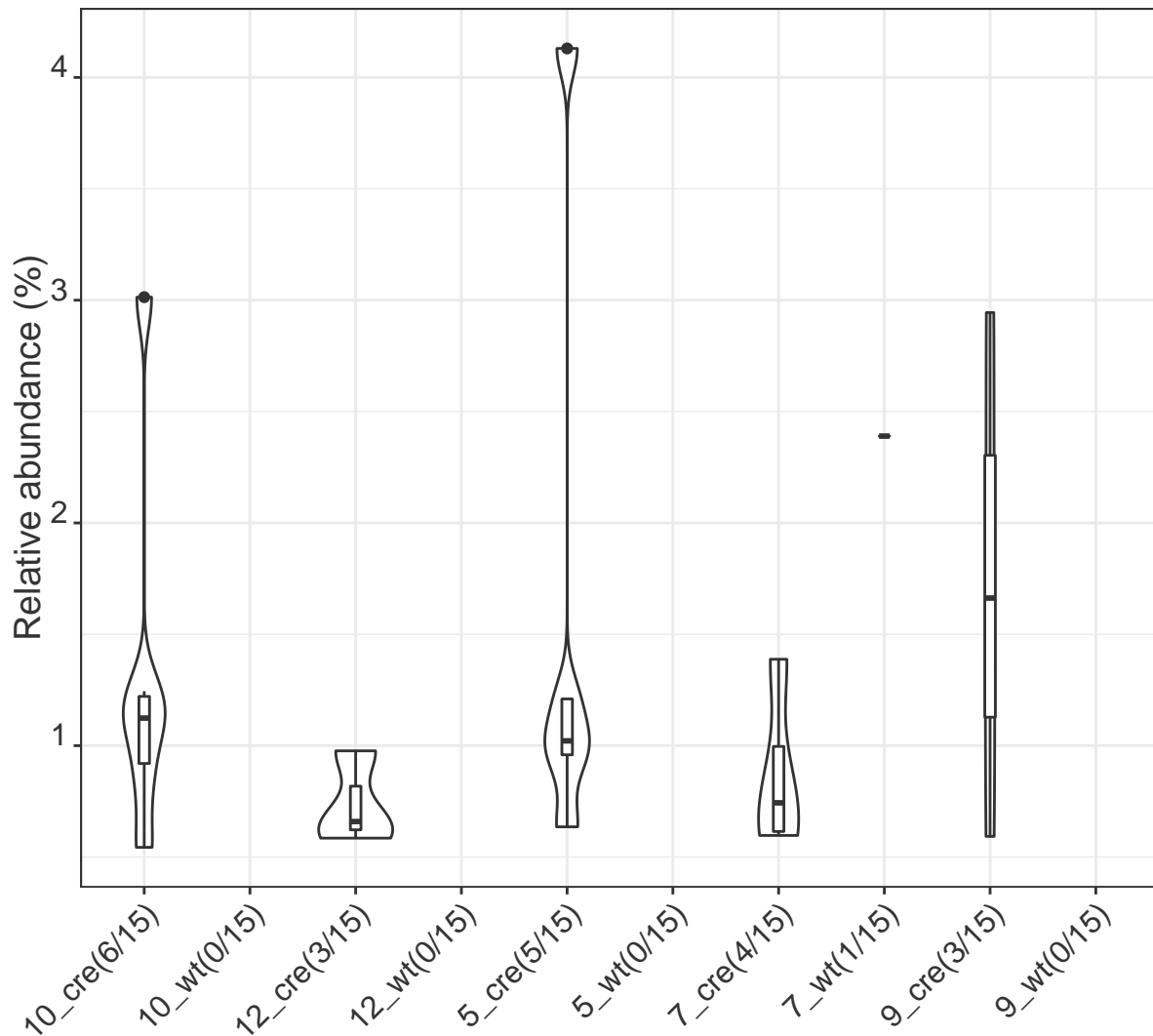
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 2–5 | 0.0022 | 0.0990 |
| 2–6 | 0.0169 | 0.2535 |
| 2–7 | 0.0421 | 0.3227 |
| 2–9 | 0.0421 | 0.3227 |
| 2–10 | 0.0169 | 0.2535 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0149 | 0.0657 |

OTU_54



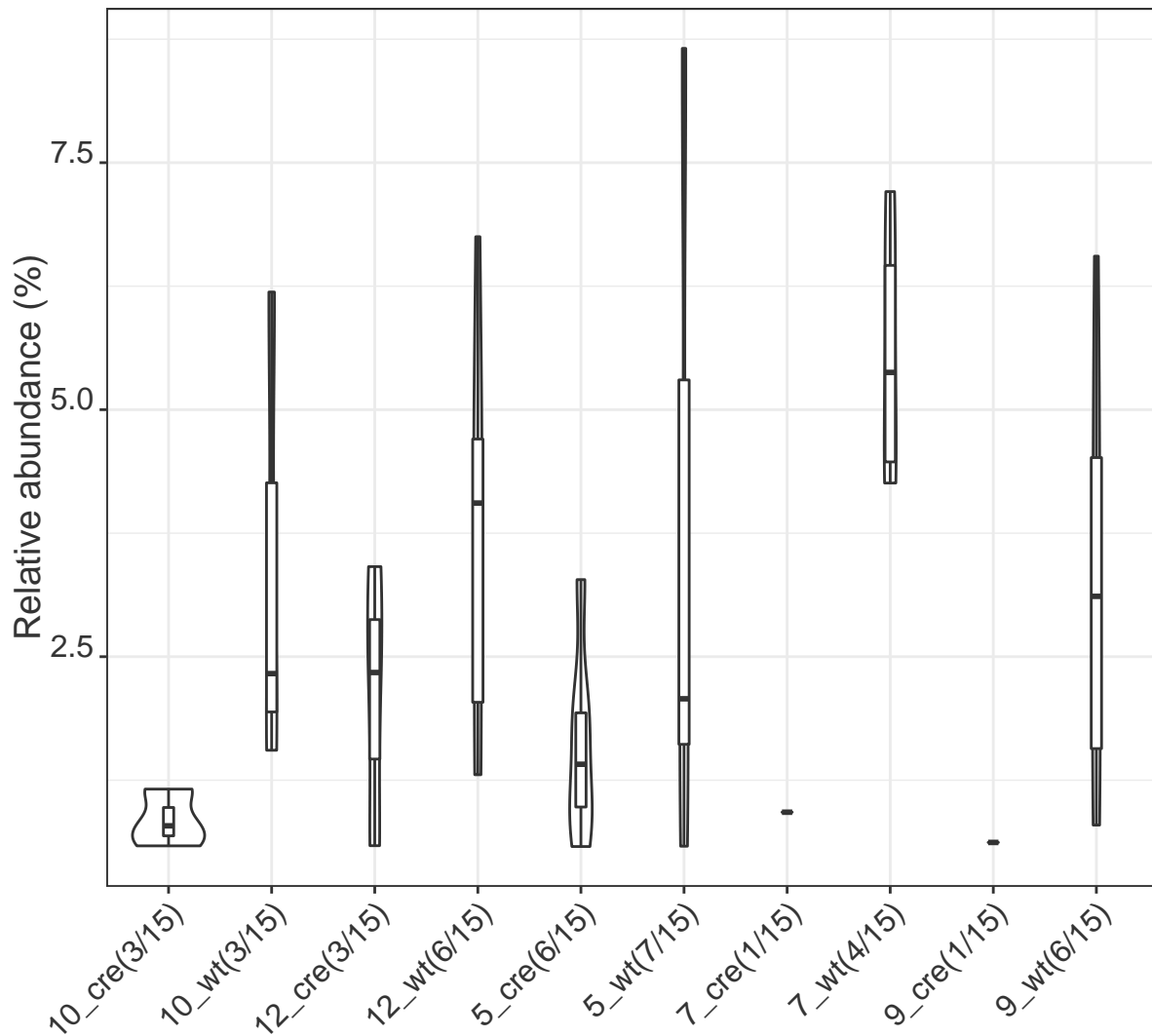
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_54 | 7e-04 | 0.0077 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–2 | 0.0169 | 0.1901 |
| 1–4 | 0.0169 | 0.1901 |
| 1–6 | 0.0169 | 0.1901 |
| 1–10 | 0.0169 | 0.1901 |
| 2–5 | 0.0421 | 0.2368 |
| 4–5 | 0.0421 | 0.2368 |
| 5–6 | 0.0421 | 0.2368 |
| 5–10 | 0.0421 | 0.2368 |

OTU_14



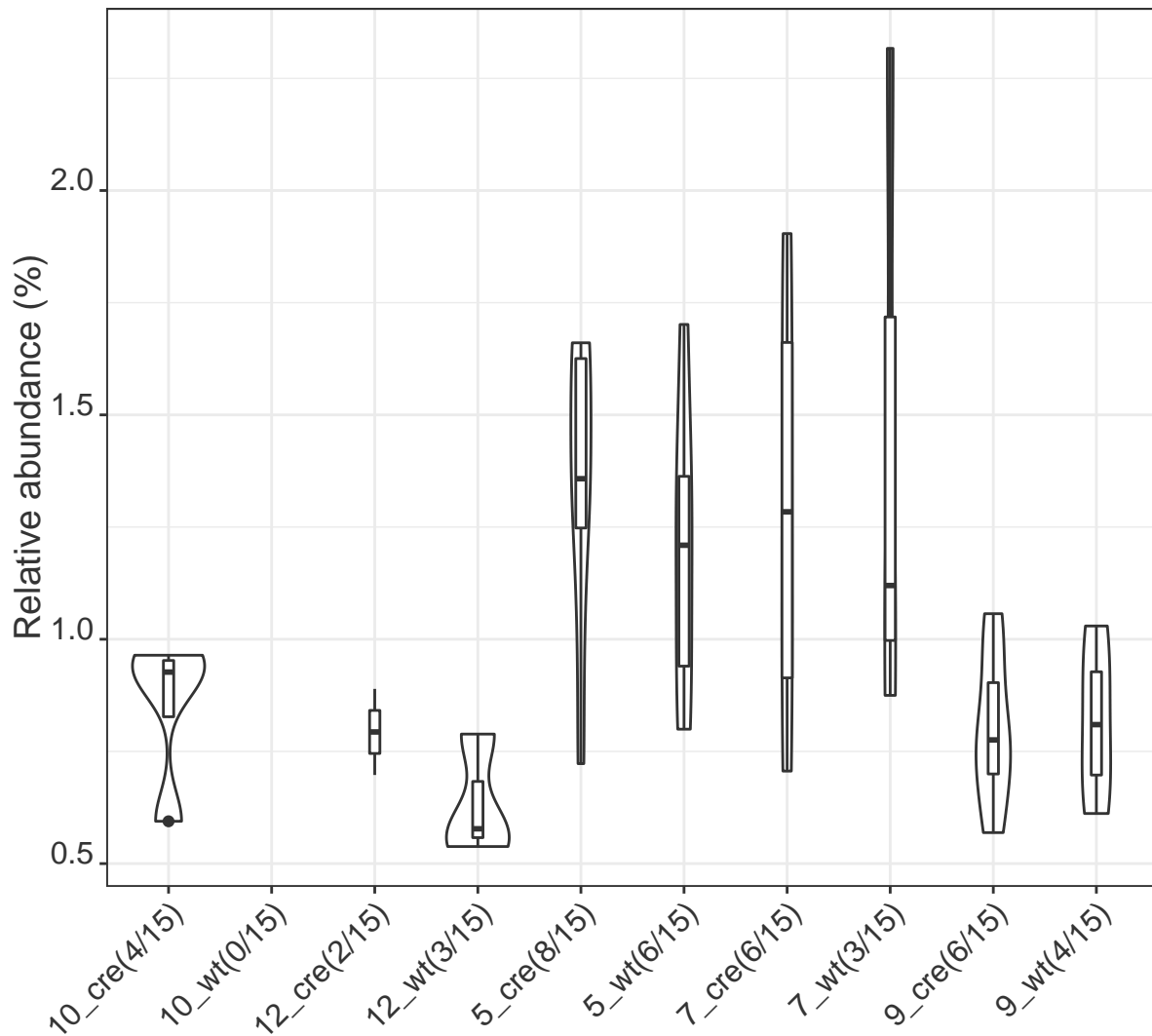
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_14 | 0 | 0 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0 | 0 |

OTU_30



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_30 | 0.0385 | 0.1744 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_30 | 1e-04 | 0.0011 |

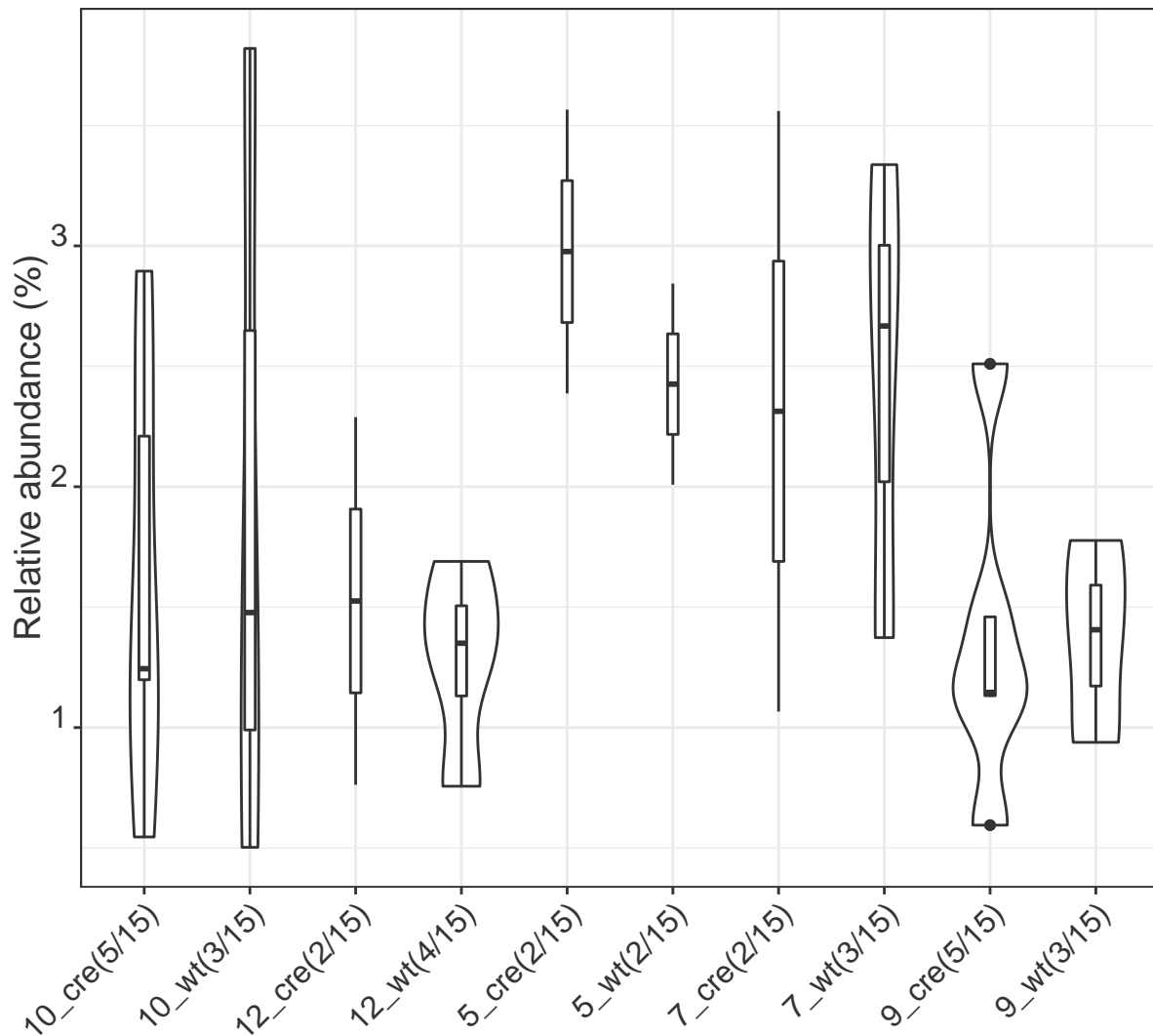
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 2-5 | 0.0022 | 0.0990 |
| 2-6 | 0.0169 | 0.1901 |
| 2-7 | 0.0169 | 0.1901 |
| 2-9 | 0.0169 | 0.1901 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 1e-04 | 0.0011 |

OTU_15



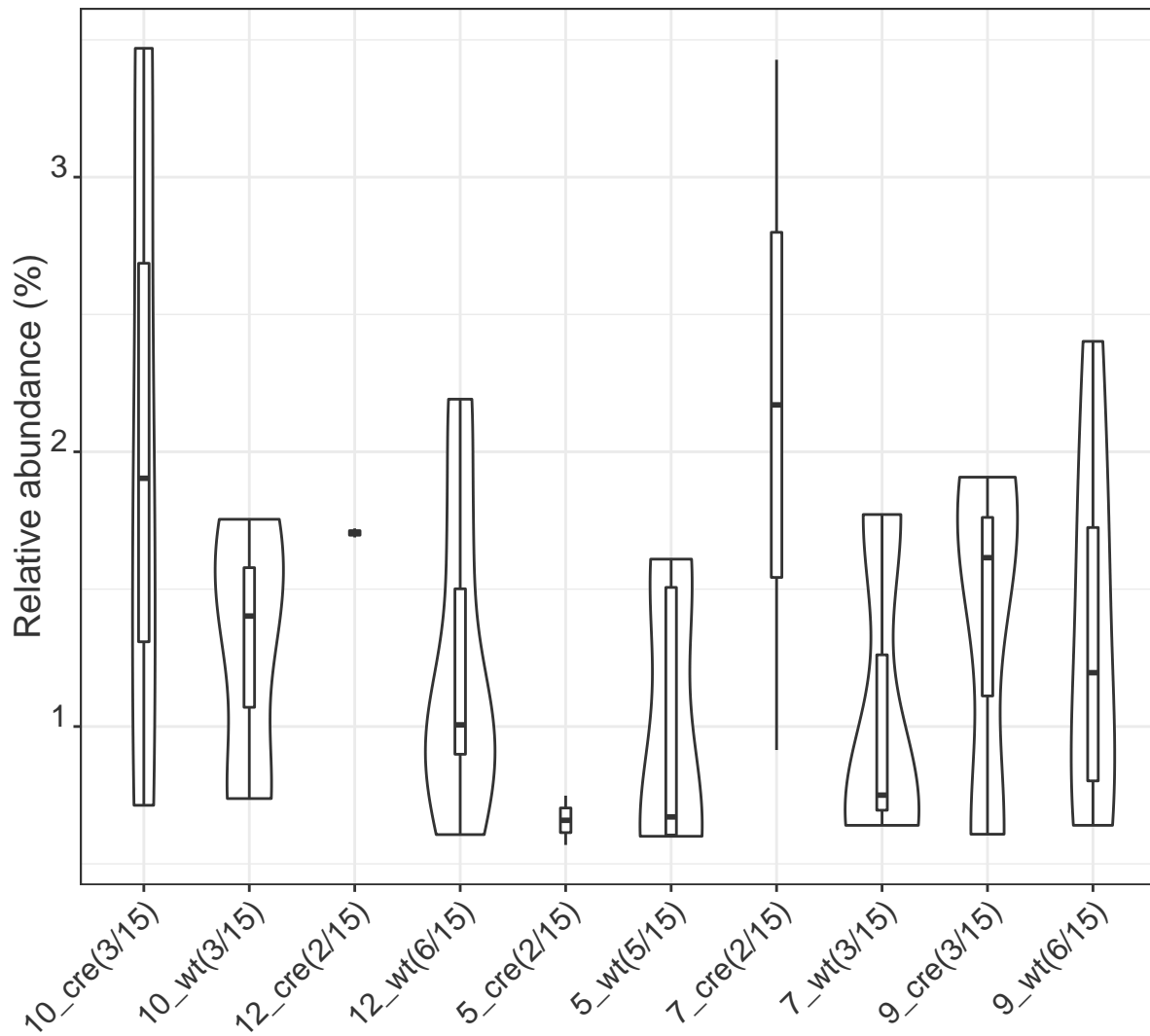
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_15 | 1e-04 | 0.0011 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 1e-04 | 0.0011 |

OTU_24



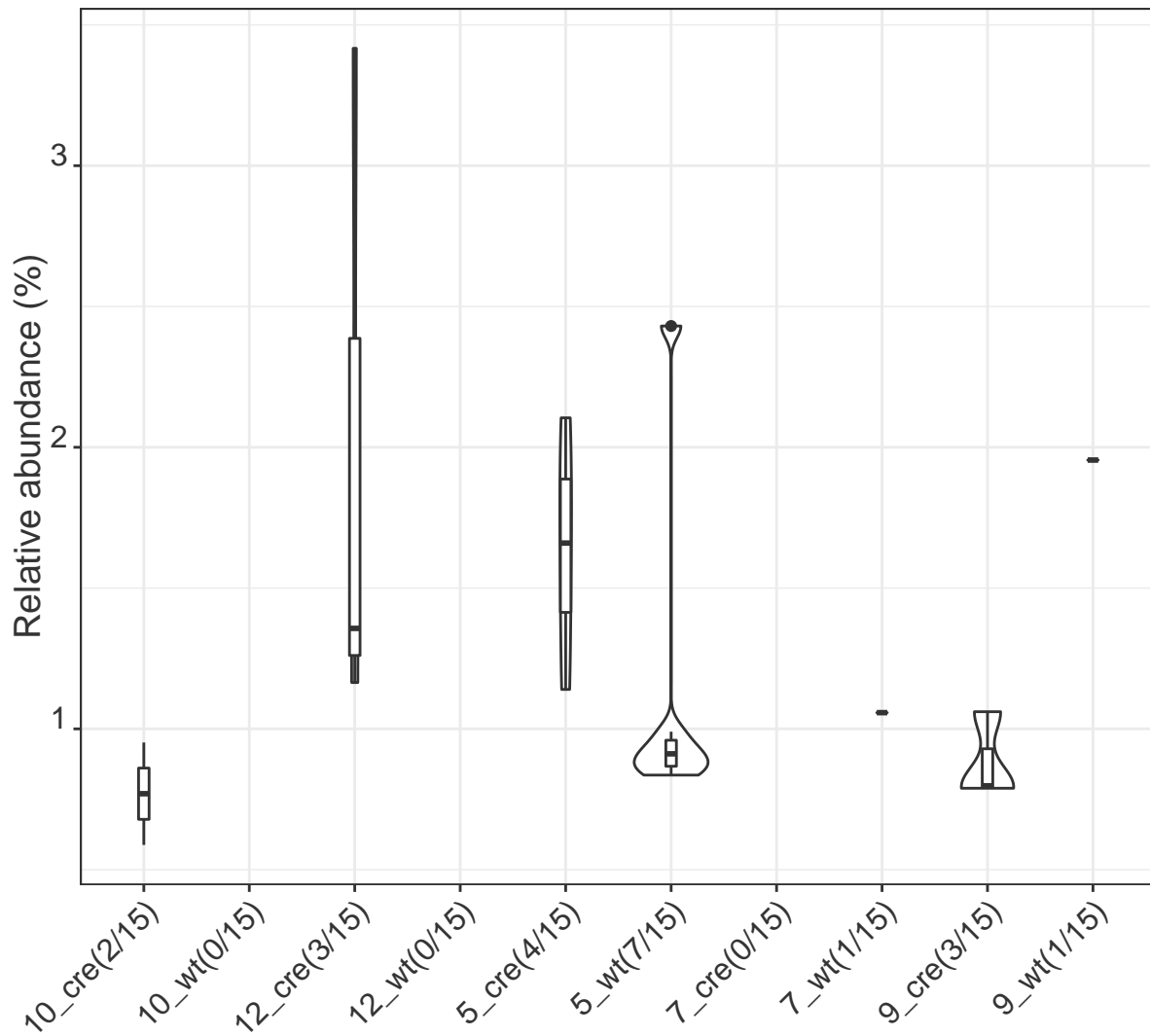
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_24 | 1e-04 | 0.0011 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 1e-04 | 0.0011 |

OTU_101



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|---------|---------|-------------|
| OTU_101 | 0.0025 | 0.0148 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|---------|---------|--------------|
| OTU_101 | 0.0183 | 0.0722 |

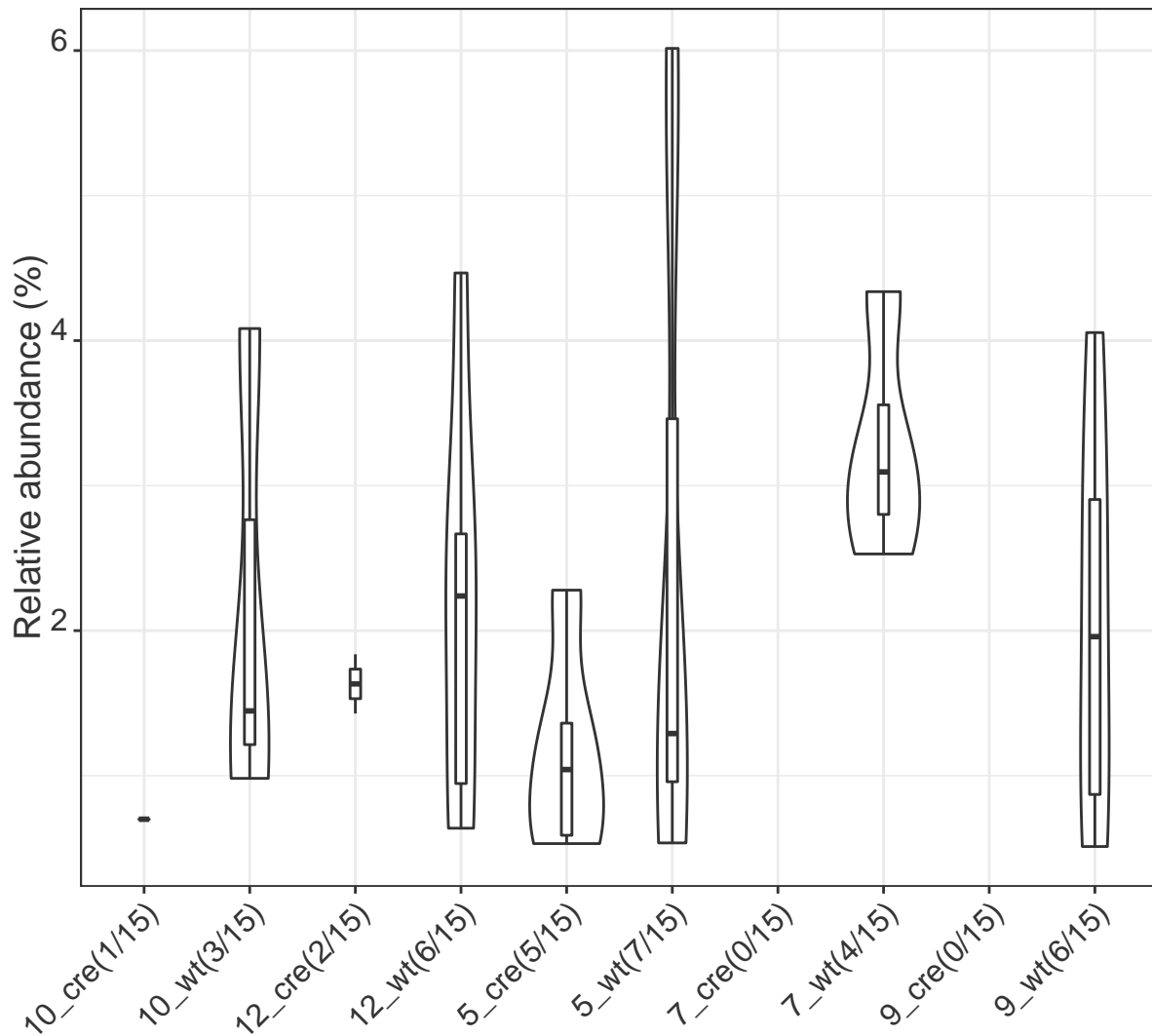
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 2–6 | 0.0063 | 0.0945 |
| 4–6 | 0.0063 | 0.0945 |
| 6–7 | 0.0063 | 0.0945 |
| 6–8 | 0.0352 | 0.3168 |
| 6–10 | 0.0352 | 0.3168 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0183 | 0.0722 |

OTU_538



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|---------|---------|-------------|
| OTU_538 | 0.0022 | 0.0141 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|---------|---------|--------------|
| OTU_538 | 0.0048 | 0.0277 |

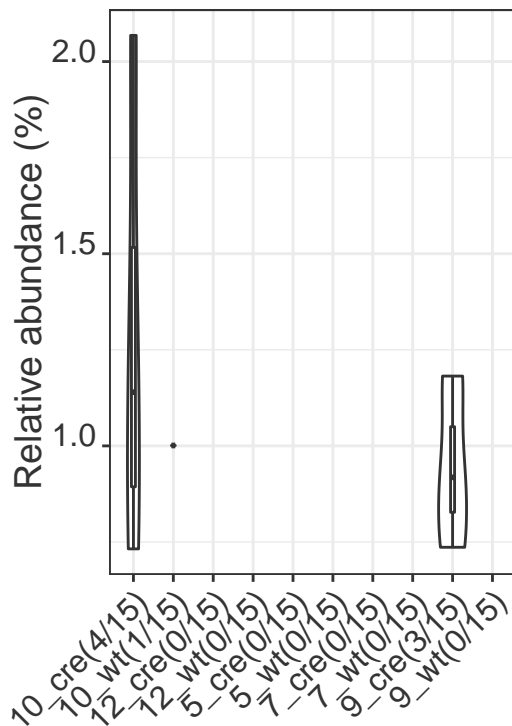
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–6 | 0.0352 | 0.2105 |
| 4–7 | 0.0169 | 0.1267 |
| 4–9 | 0.0169 | 0.1267 |
| 5–7 | 0.0421 | 0.2105 |
| 5–9 | 0.0421 | 0.2105 |
| 6–7 | 0.0063 | 0.1267 |
| 6–9 | 0.0063 | 0.1267 |
| 7–10 | 0.0169 | 0.1267 |
| 9–10 | 0.0169 | 0.1267 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0048 | 0.0277 |

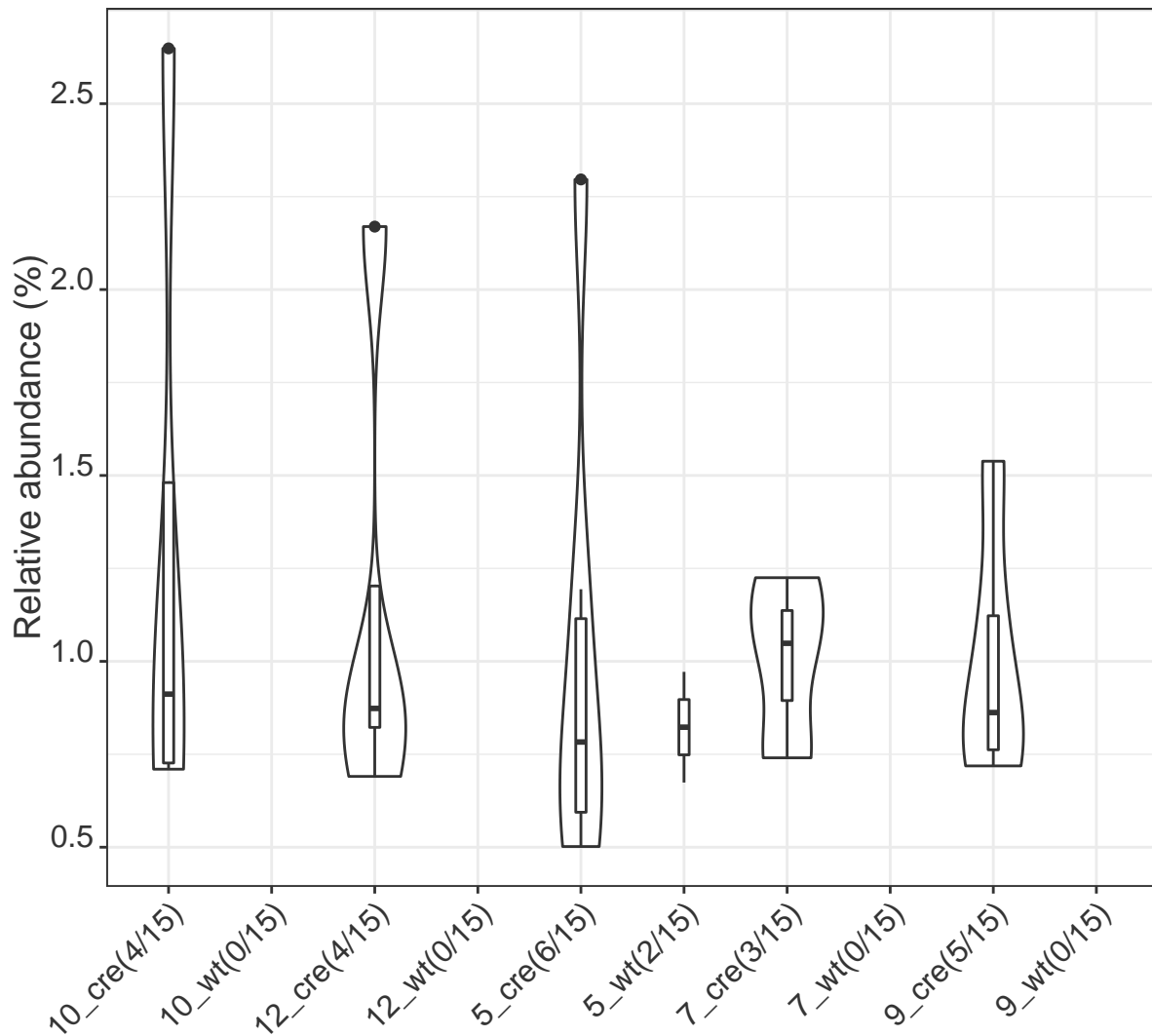
OTU_126



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|---------|---------|-------------|
| OTU_126 | 0.0021 | 0.0141 |

OTU_62



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_62 | 0.0011 | 0.0094 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_62 | 0 | 0 |

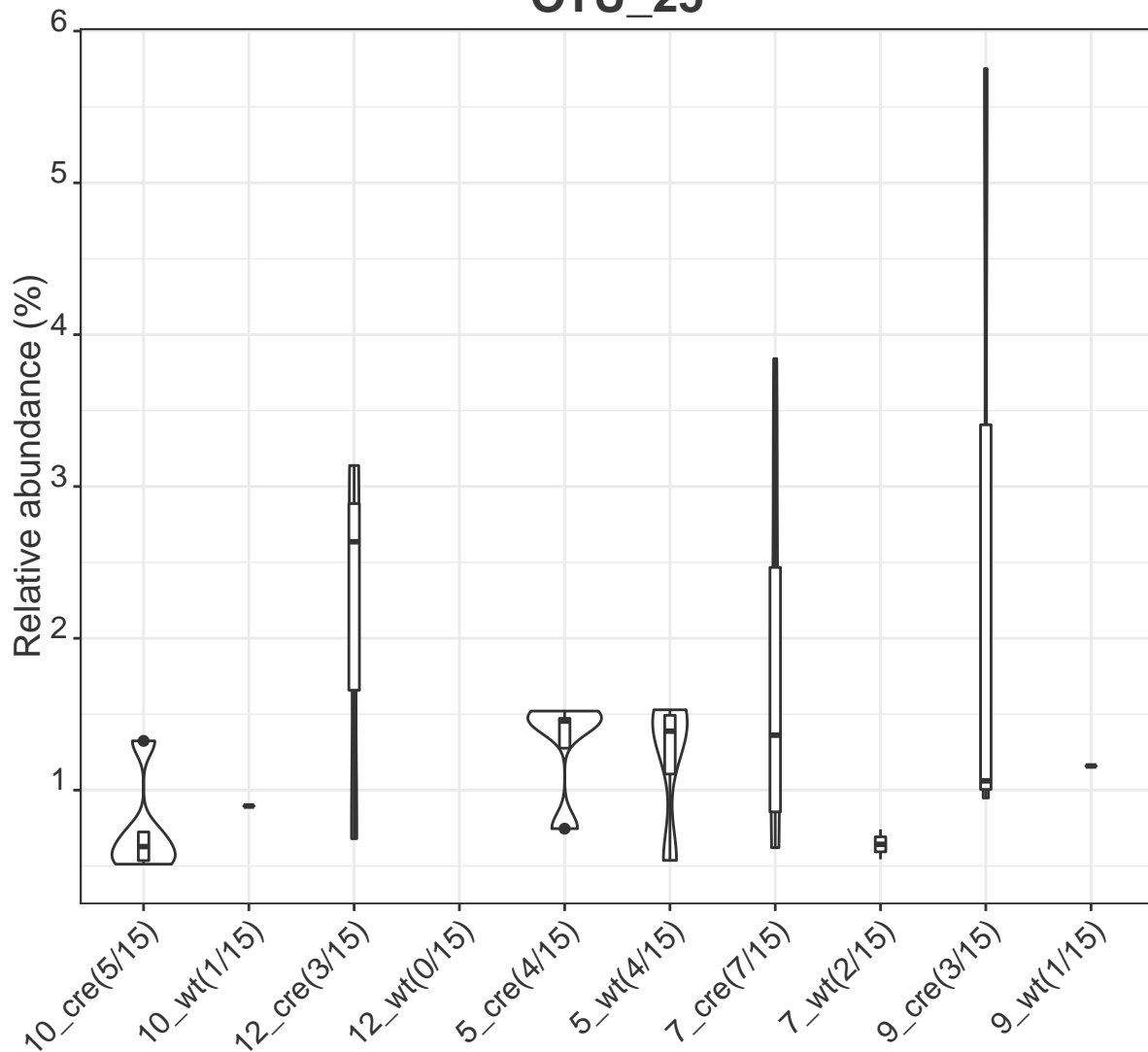
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 2–5 | 0.0169 | 0.1901 |
| 2–9 | 0.0421 | 0.2368 |
| 4–5 | 0.0169 | 0.1901 |
| 4–9 | 0.0421 | 0.2368 |
| 5–8 | 0.0169 | 0.1901 |
| 5–10 | 0.0169 | 0.1901 |
| 8–9 | 0.0421 | 0.2368 |
| 9–10 | 0.0421 | 0.2368 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0 | 0 |

OTU_25



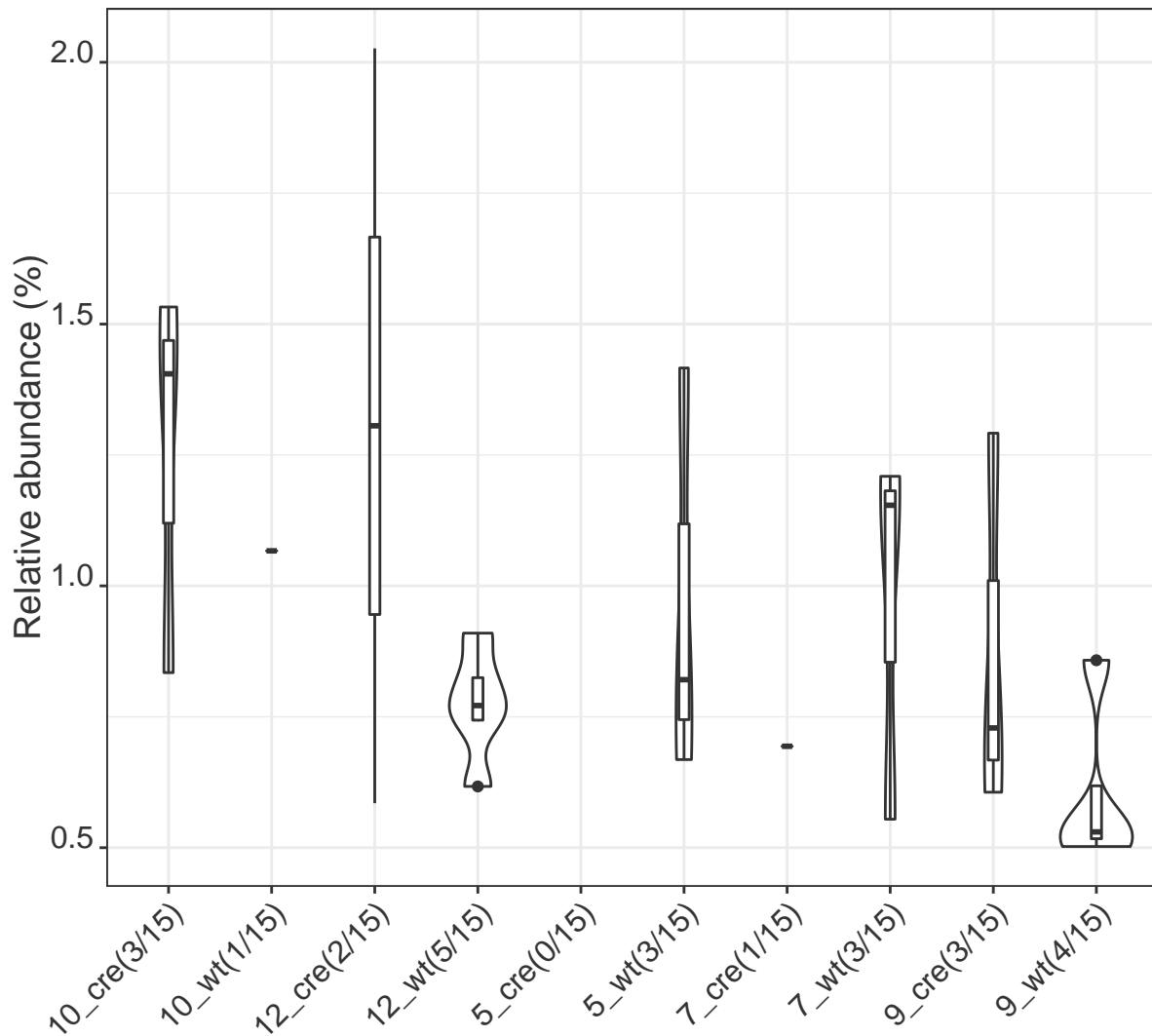
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_25 | 0.0474 | 0.1921 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–4 | 0.0421 | 0.4736 |
| 2–7 | 0.0352 | 0.4736 |
| 4–7 | 0.0063 | 0.2835 |
| 7–10 | 0.0352 | 0.4736 |

OTU_64



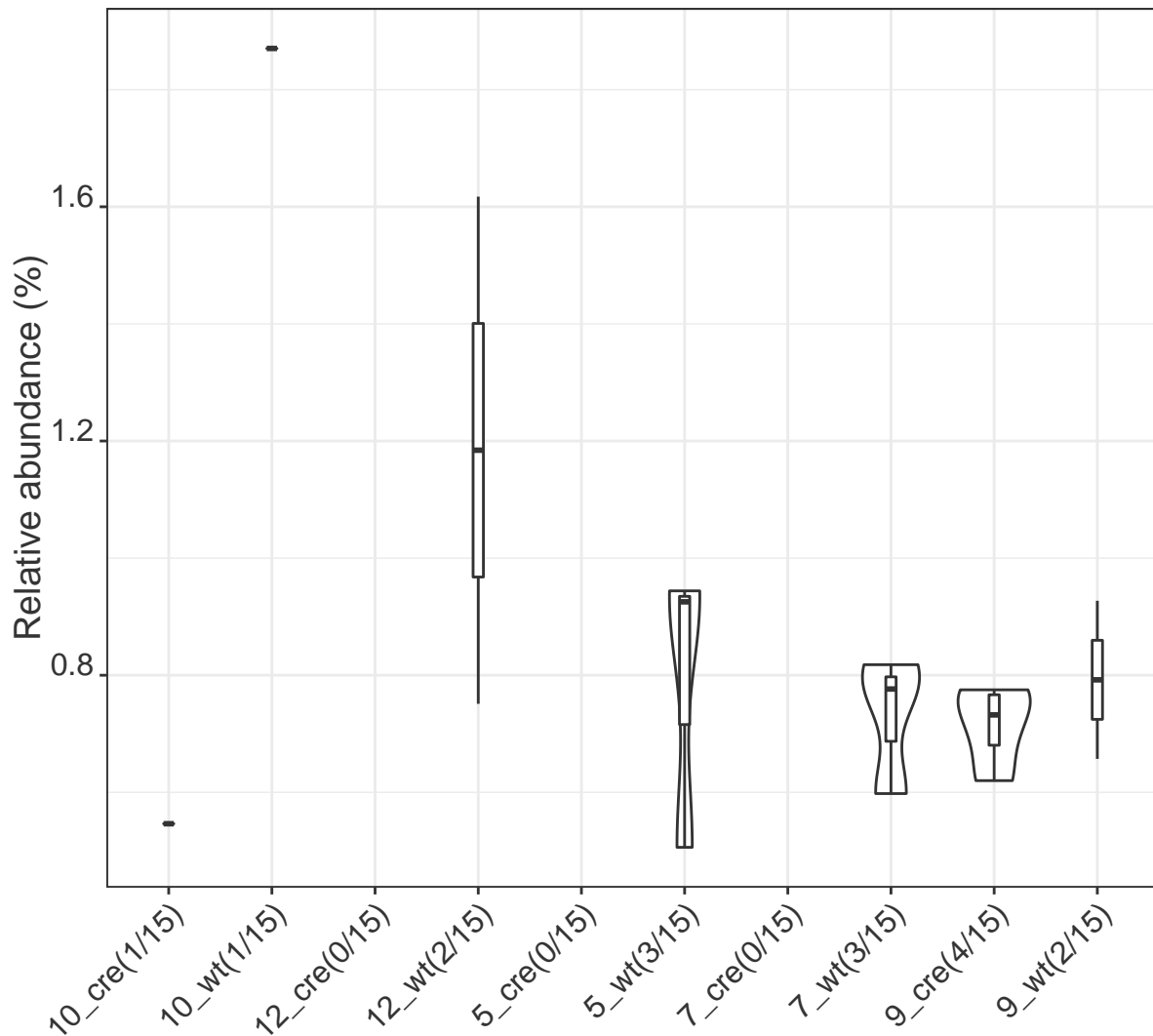
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_64 | 0.0239 | 0.0854 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0239 | 0.0854 |

OTU_56



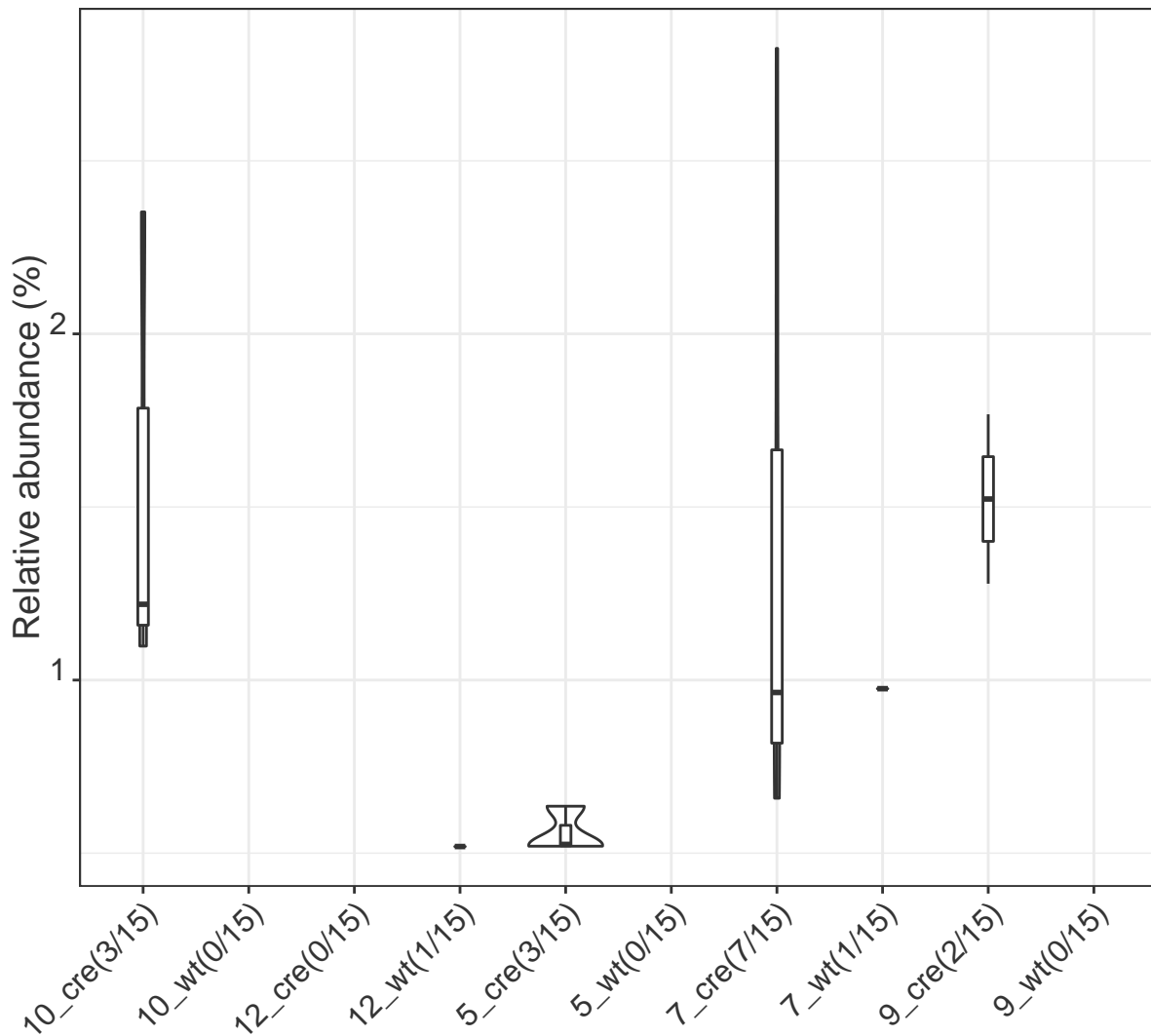
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_56 | 0.0066 | 0.033 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0066 | 0.033 |

OTU_49



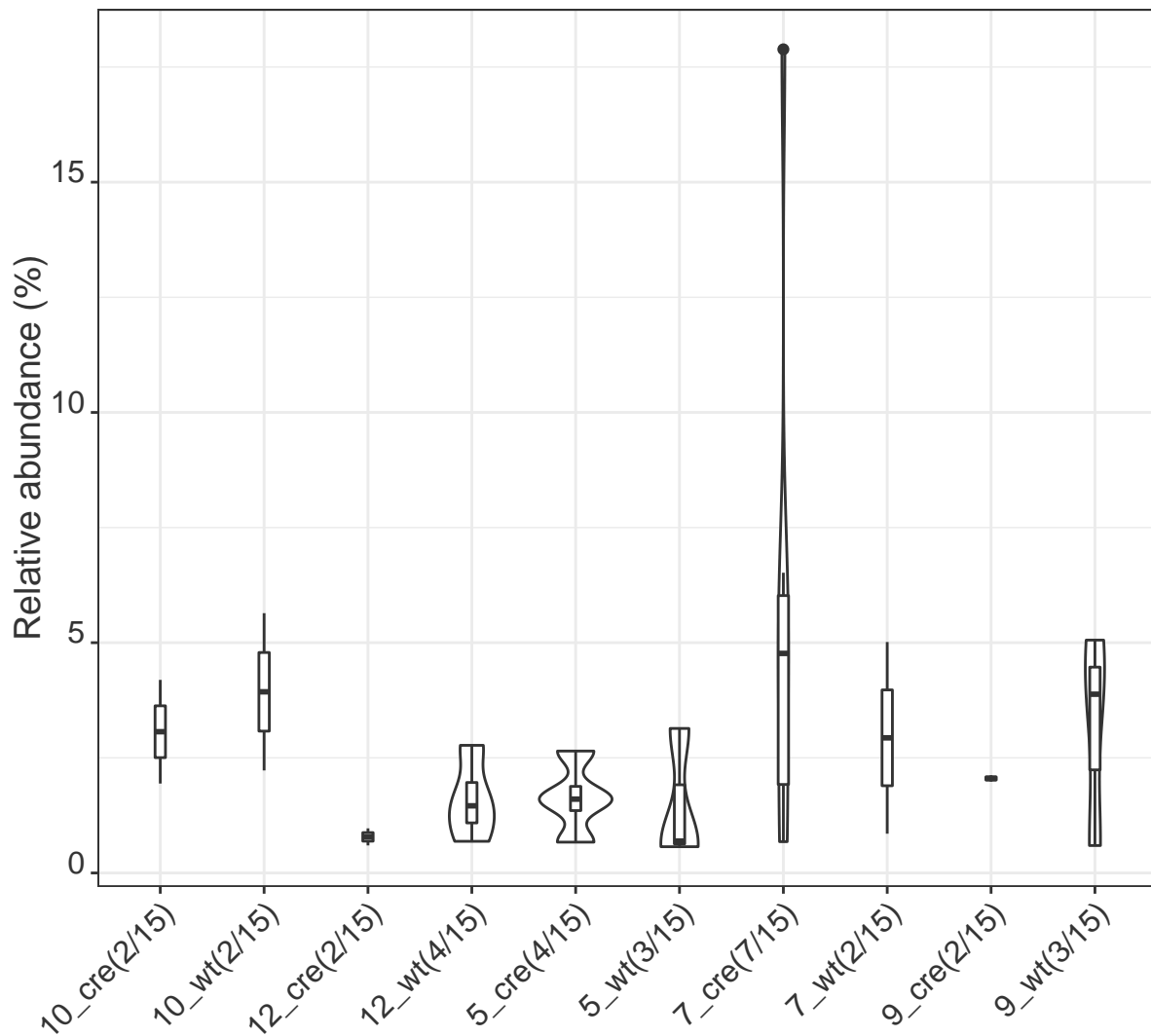
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_49 | 7e-04 | 0.0077 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 2-7 | 0.0063 | 0.0709 |
| 3-7 | 0.0063 | 0.0709 |
| 4-7 | 0.0352 | 0.2640 |
| 6-7 | 0.0063 | 0.0709 |
| 7-8 | 0.0352 | 0.2640 |
| 7-10 | 0.0063 | 0.0709 |

OTU_7



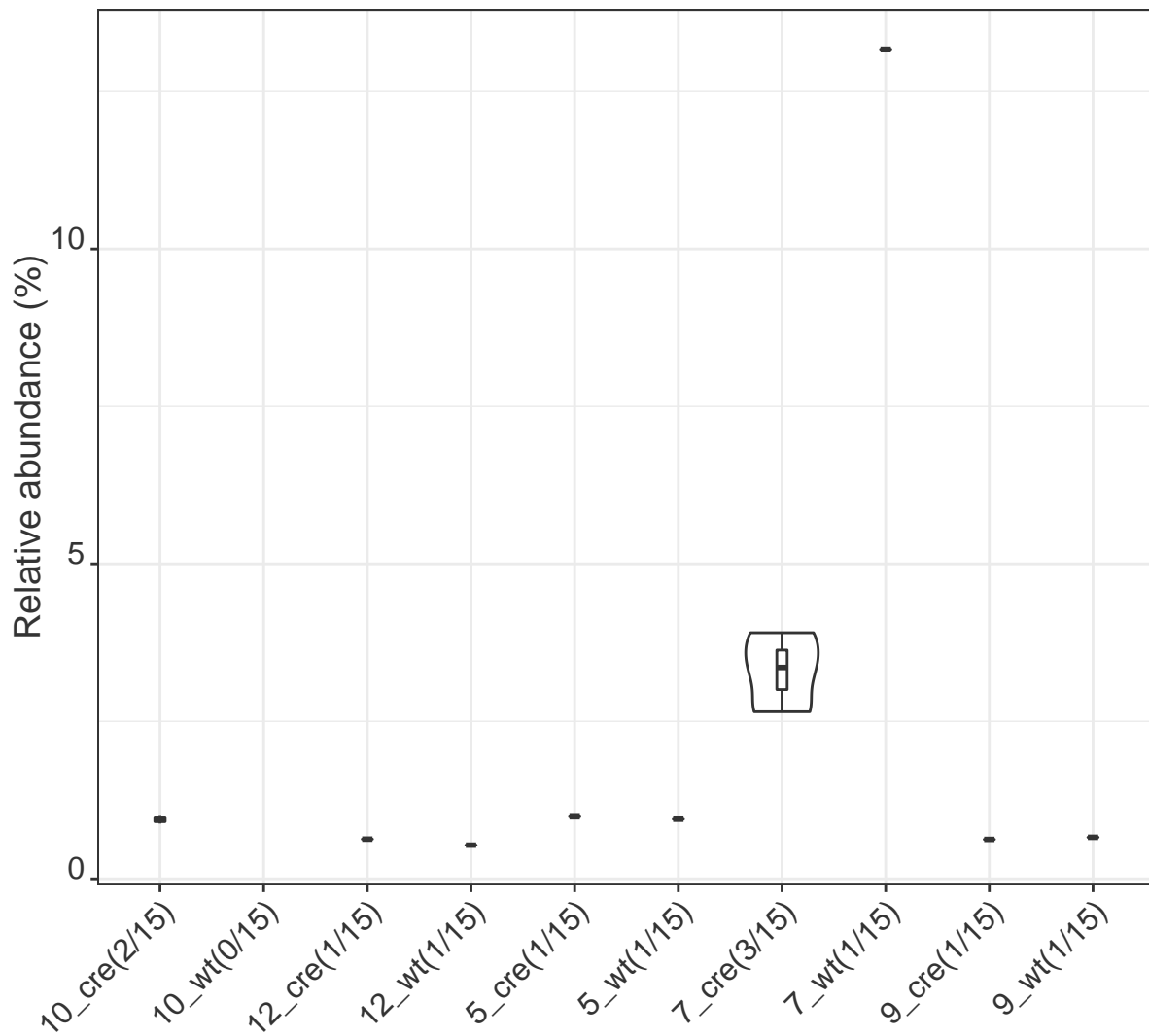
Friedman Test – all groups

| | P-value | Adj. p-value |
|-------|---------|--------------|
| OTU_7 | 0 | 0 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0 | 0 |

OTU_66



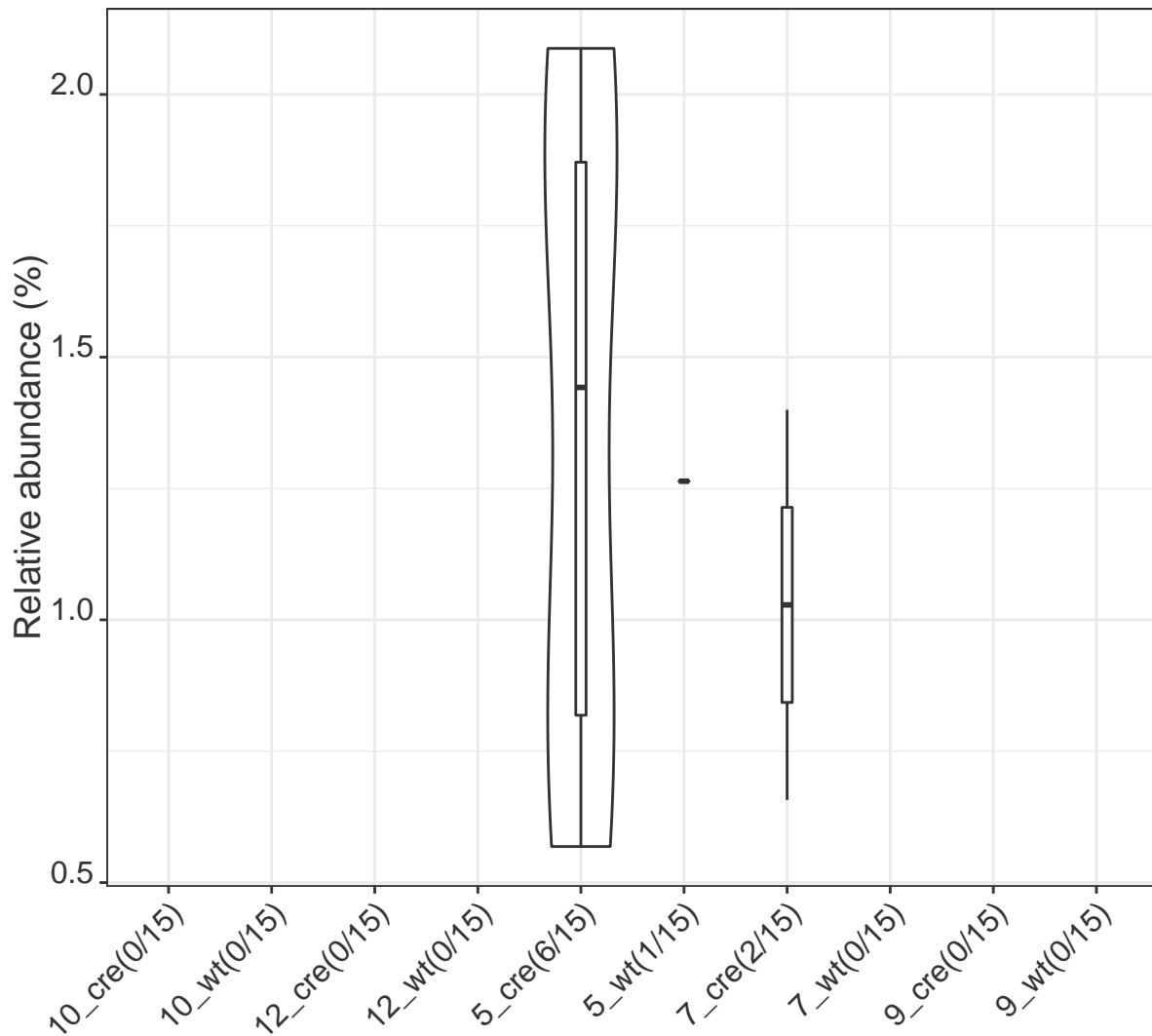
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_66 | 0.0015 | 0.0102 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0015 | 0.0102 |

OTU_65



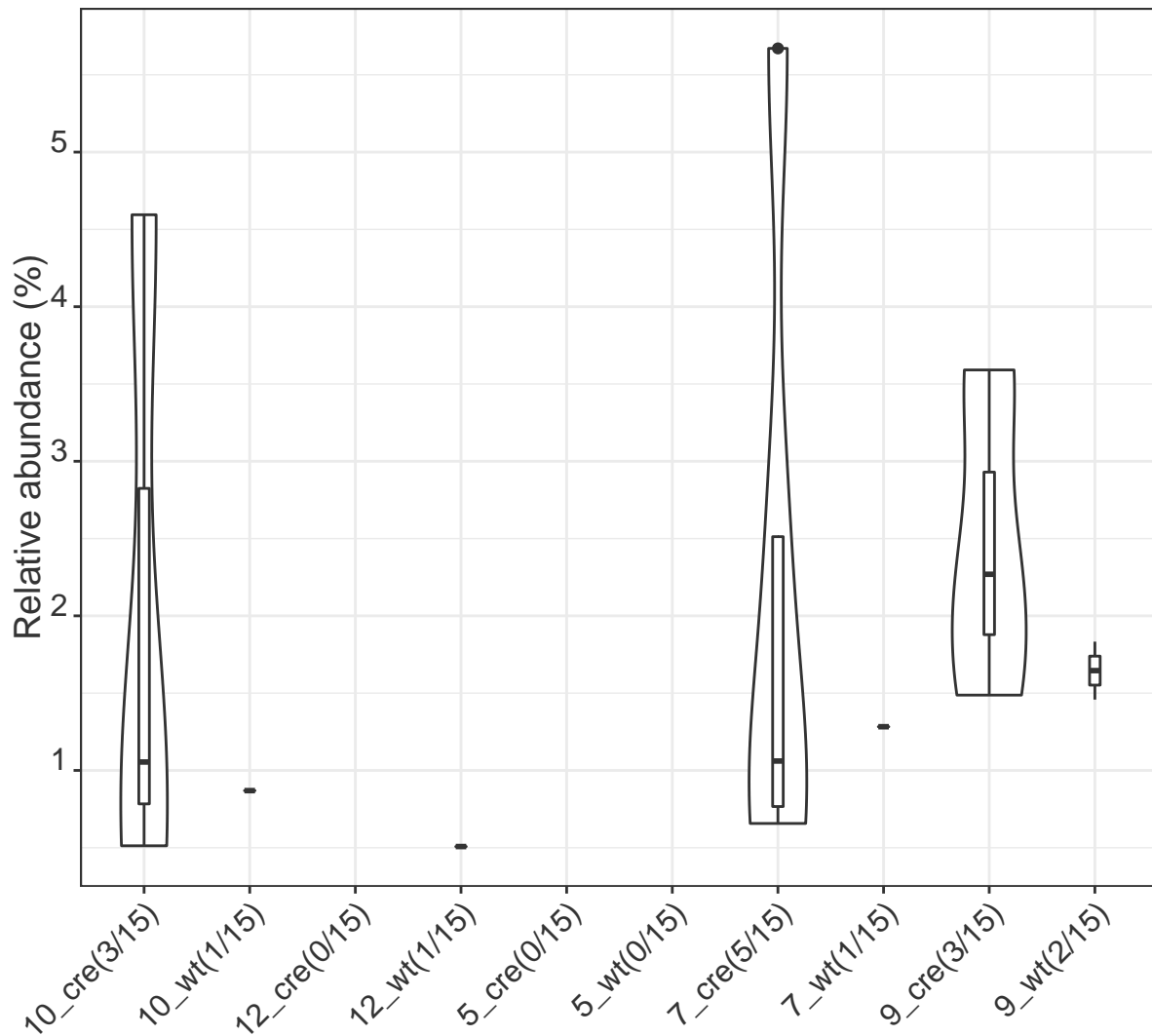
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_65 | 1e-04 | 0.0019 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1-5 | 0.0169 | 0.1086 |
| 2-5 | 0.0169 | 0.1086 |
| 3-5 | 0.0169 | 0.1086 |
| 4-5 | 0.0169 | 0.1086 |
| 5-8 | 0.0169 | 0.1086 |
| 5-9 | 0.0169 | 0.1086 |
| 5-10 | 0.0169 | 0.1086 |

OTU_180



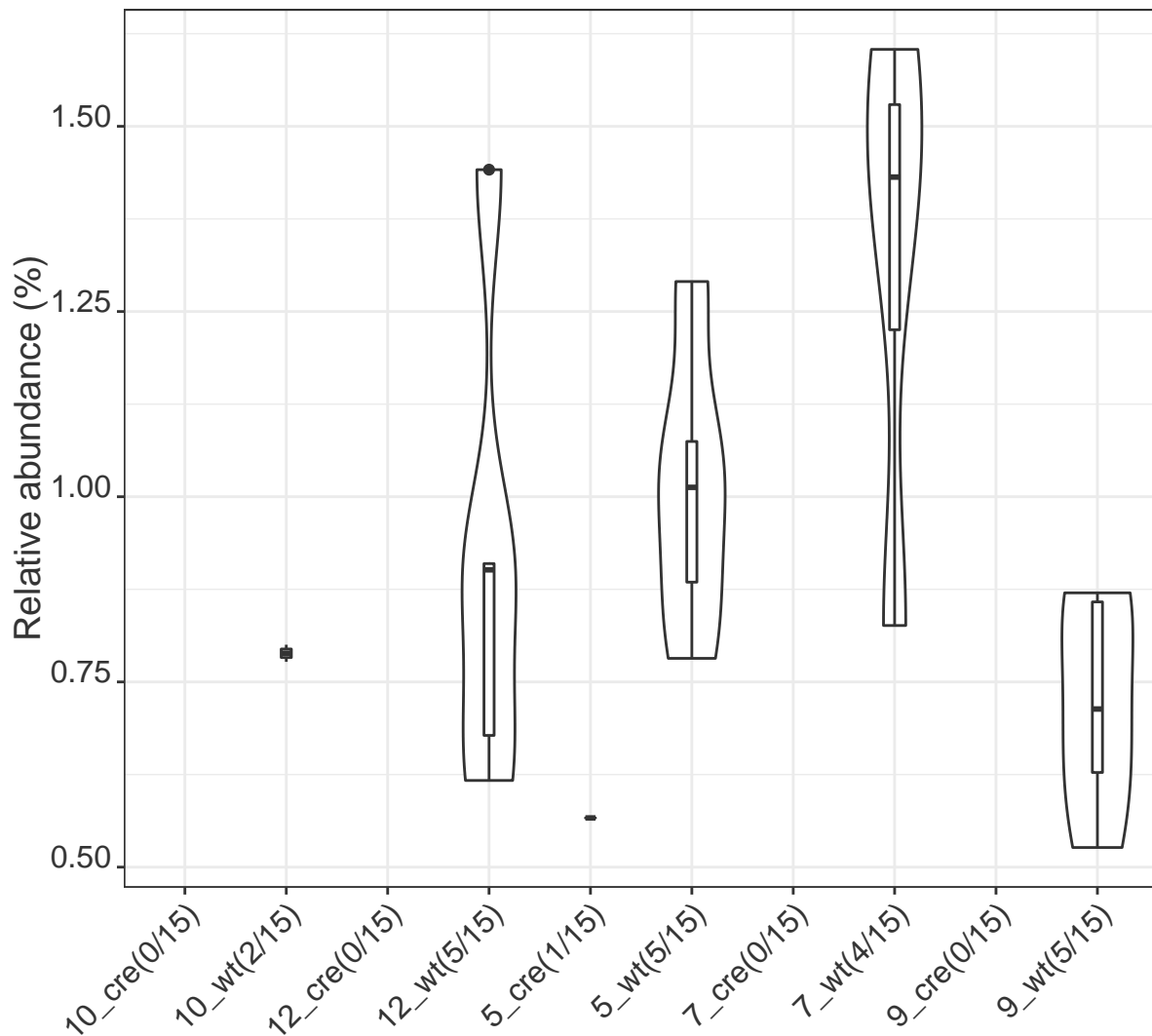
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|---------|---------|-------------|
| OTU_180 | 0.0471 | 0.1921 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 3–7 | 0.0421 | 0.6315 |
| 5–7 | 0.0421 | 0.6315 |
| 6–7 | 0.0421 | 0.6315 |

OTU_93



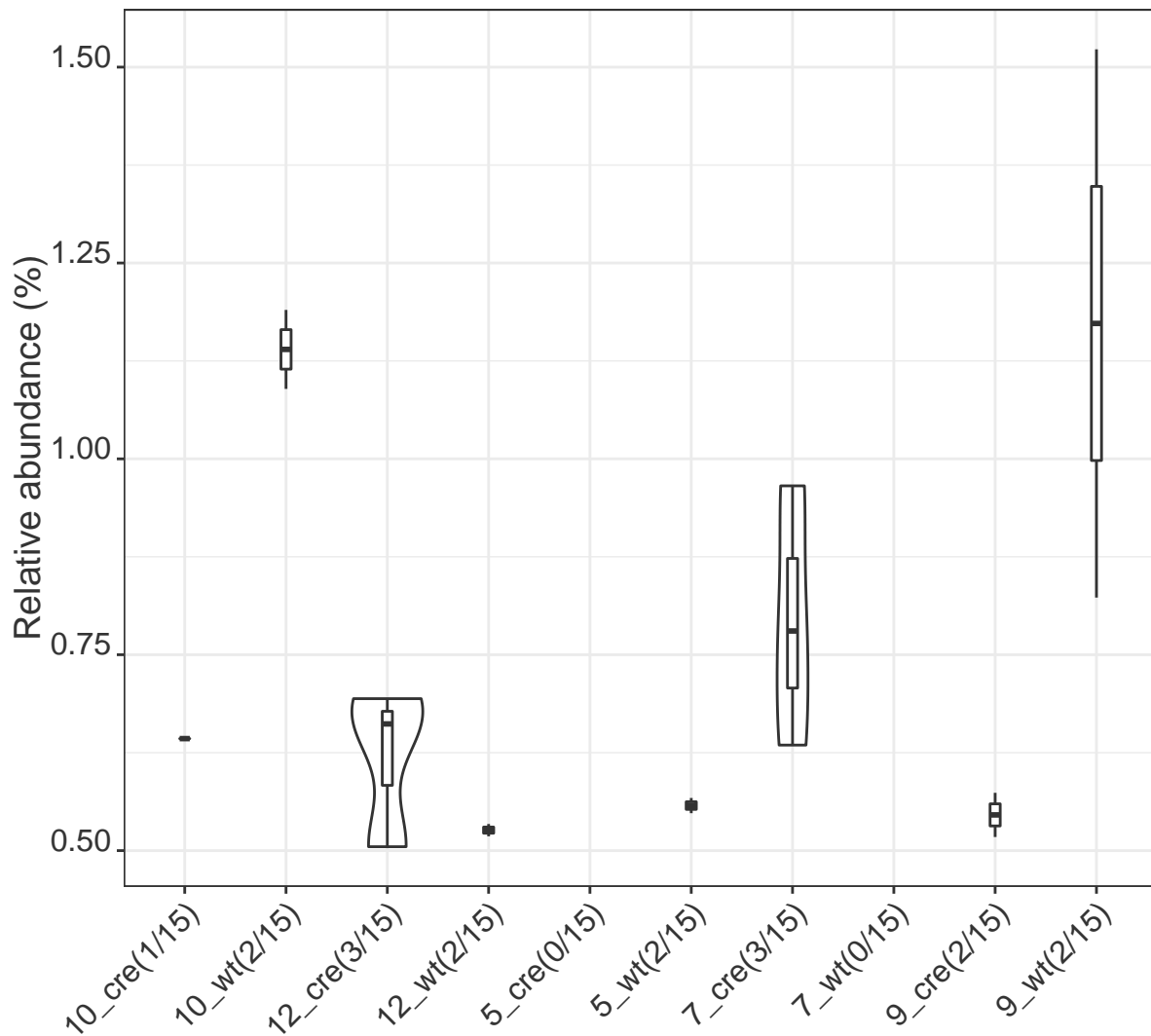
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_93 | 7e-04 | 0.0077 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–4 | 0.0421 | 0.1579 |
| 1–6 | 0.0421 | 0.1579 |
| 1–10 | 0.0421 | 0.1579 |
| 3–4 | 0.0421 | 0.1579 |
| 3–6 | 0.0421 | 0.1579 |
| 3–10 | 0.0421 | 0.1579 |
| 4–7 | 0.0421 | 0.1579 |
| 4–9 | 0.0421 | 0.1579 |
| 6–7 | 0.0421 | 0.1579 |
| 6–9 | 0.0421 | 0.1579 |
| 7–10 | 0.0421 | 0.1579 |
| 9–10 | 0.0421 | 0.1579 |

OTU_77



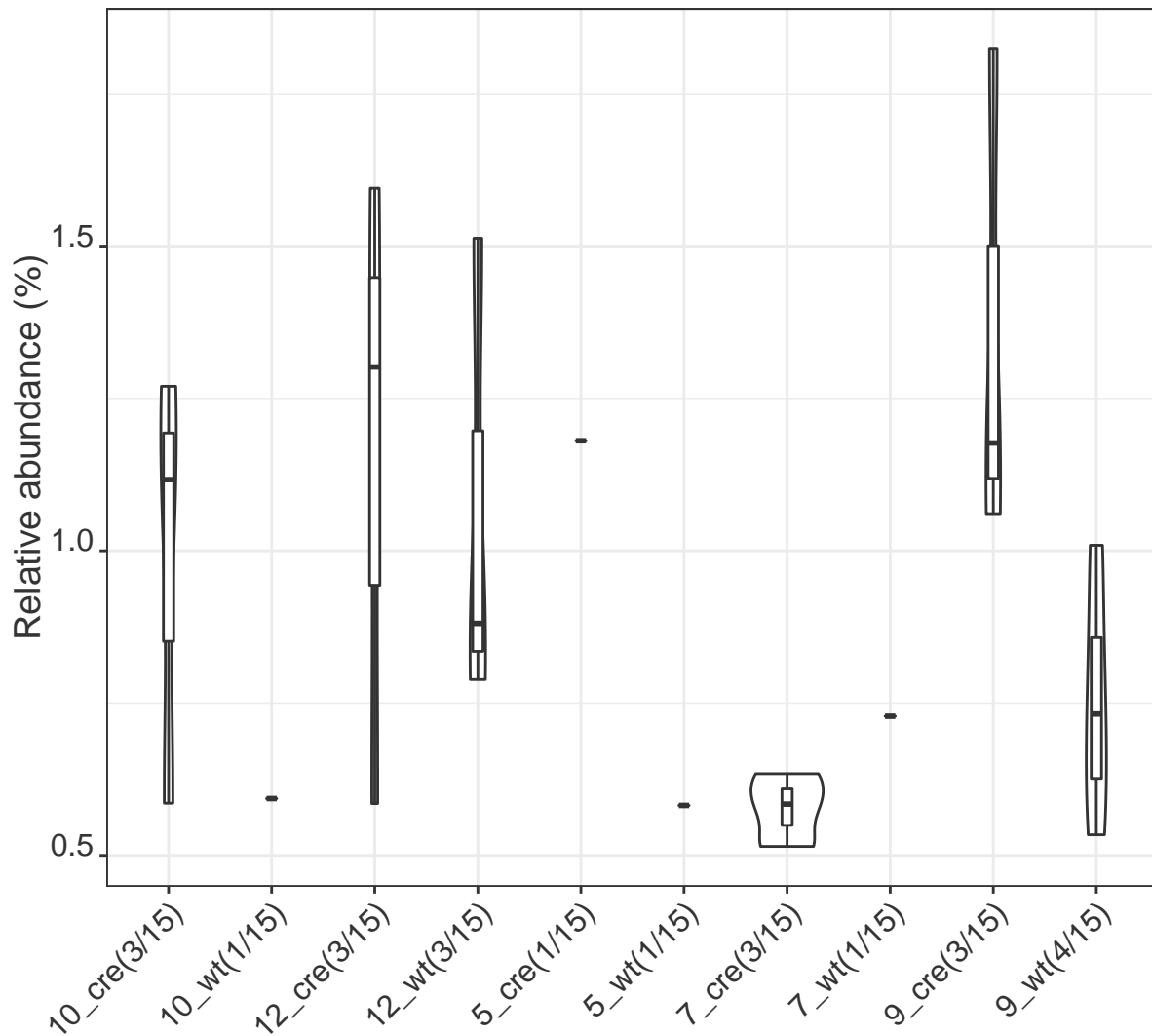
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_77 | 0.0094 | 0.0441 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0094 | 0.0441 |

OTU_88



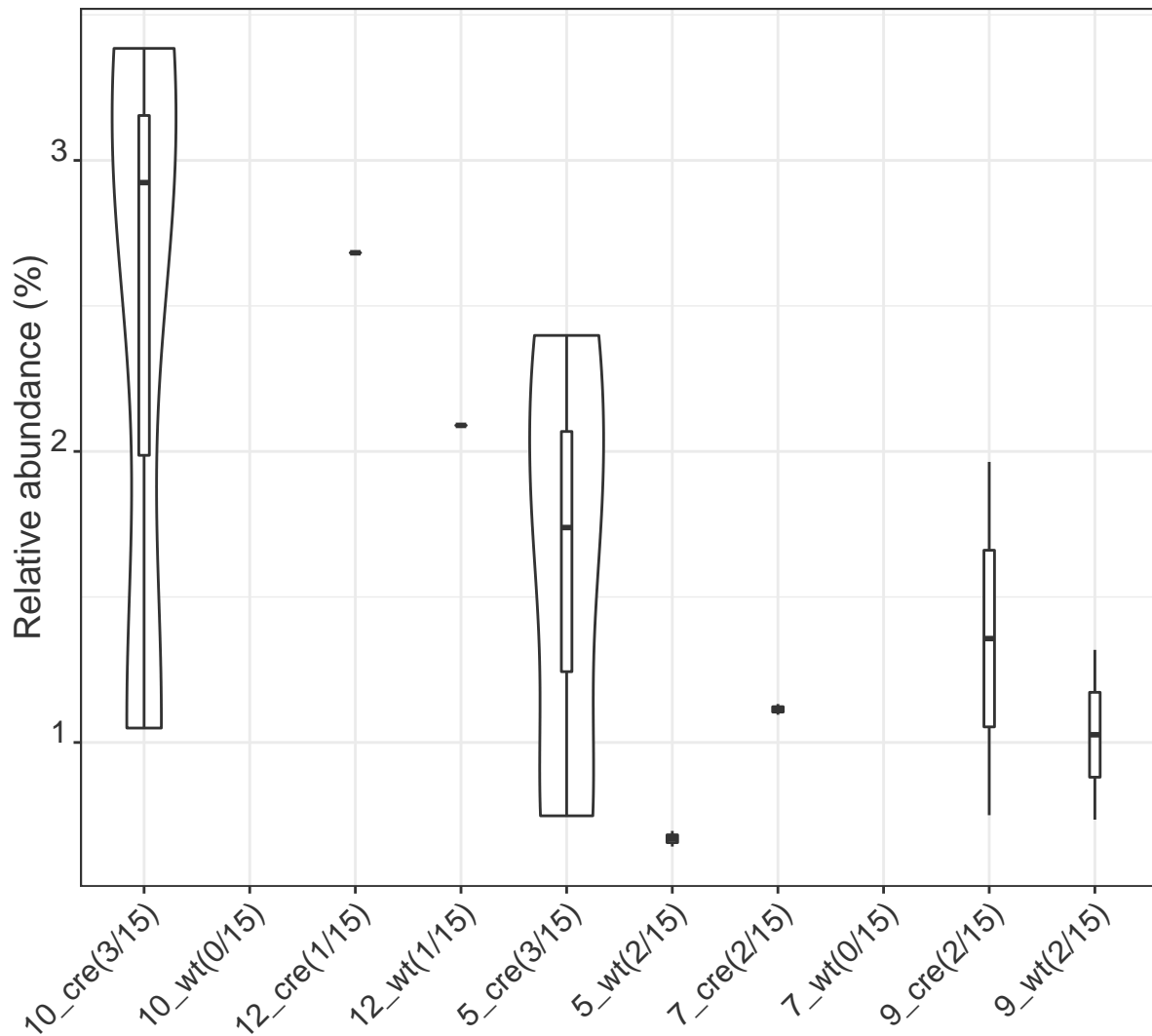
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_88 | 0 | 0 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0 | 0 |

OTU_37



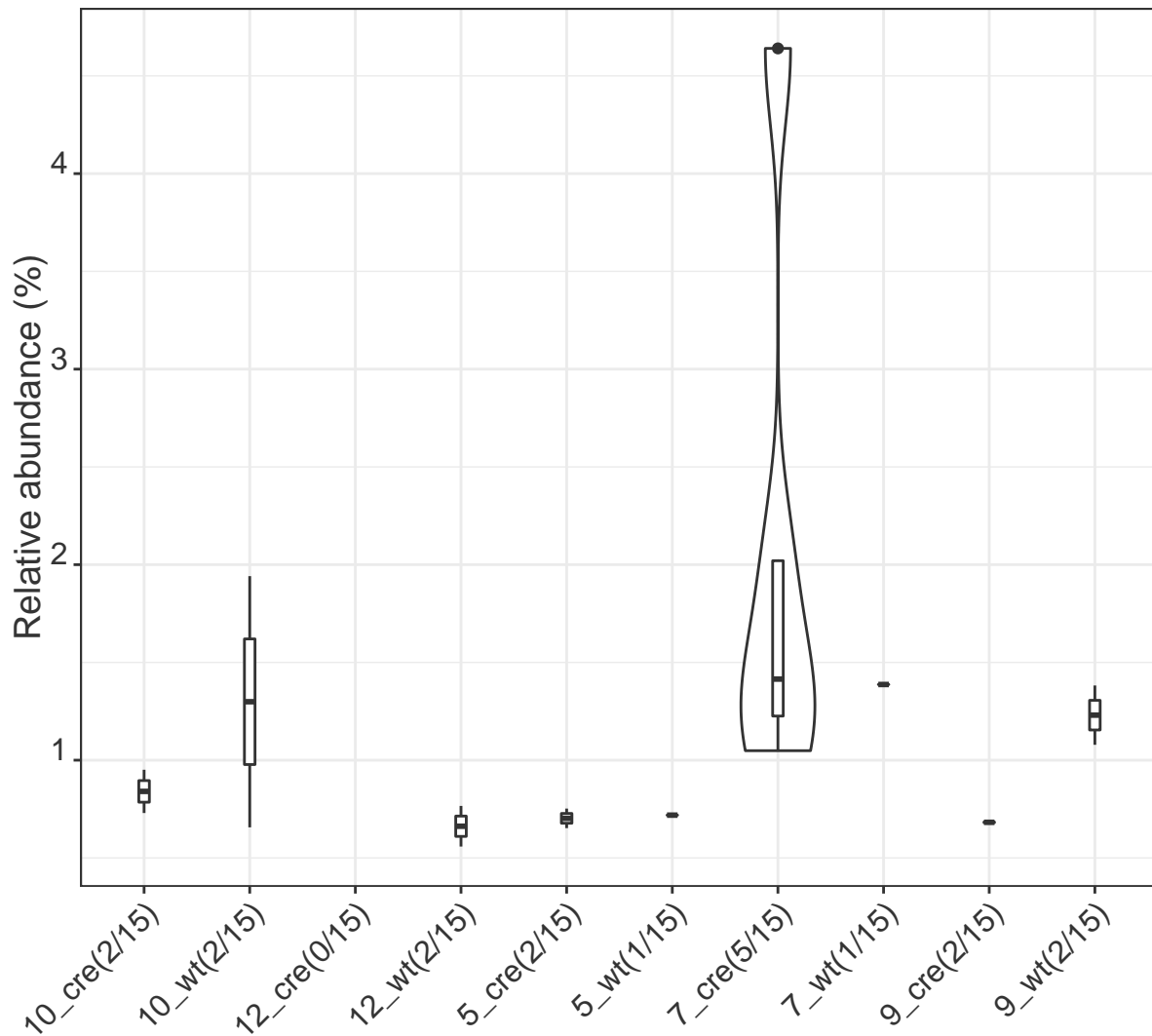
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_37 | 7e-04 | 0.0052 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 7e-04 | 0.0052 |

OTU_38



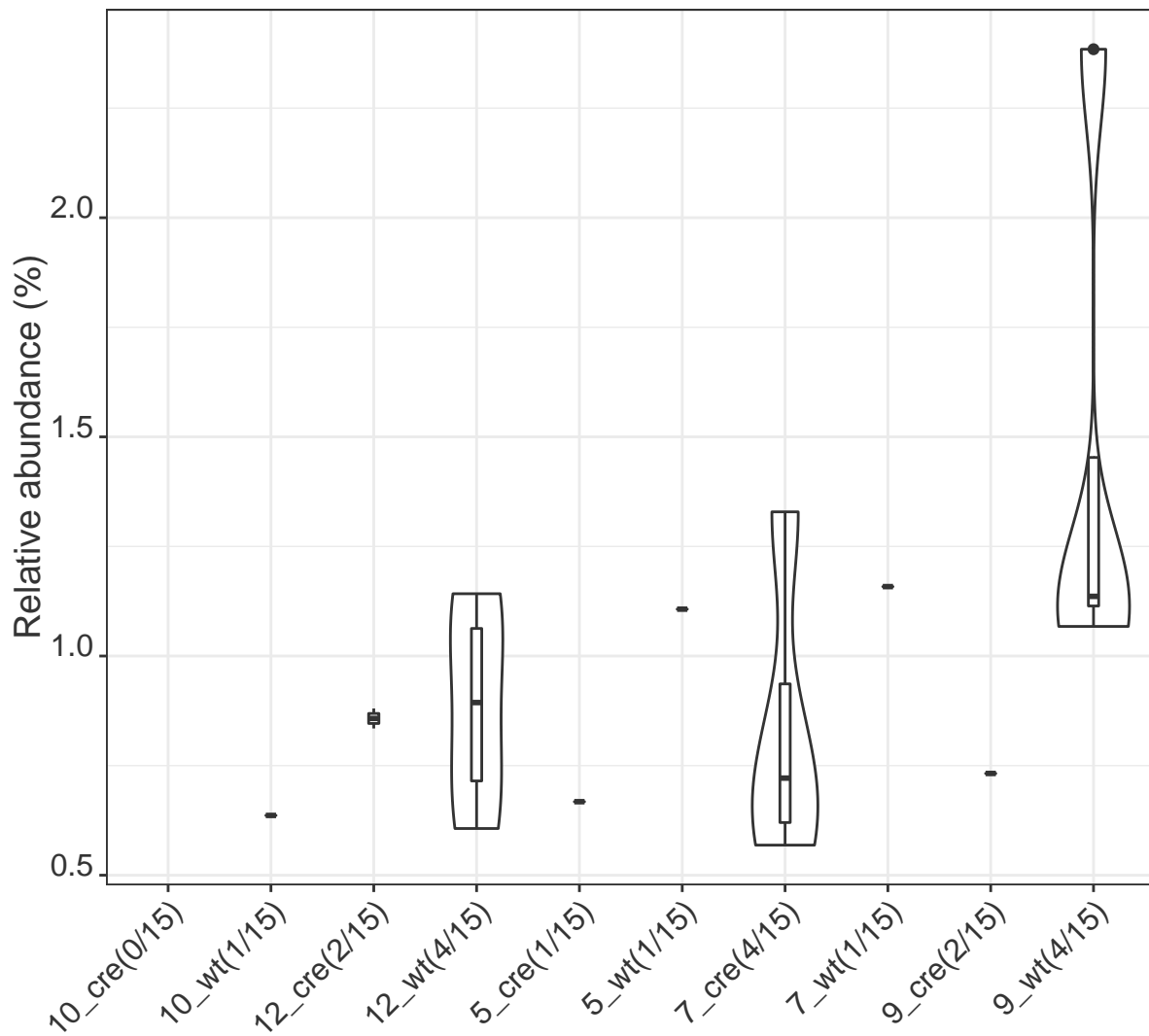
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_38 | 0.0202 | 0.0758 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0202 | 0.0758 |

OTU_51



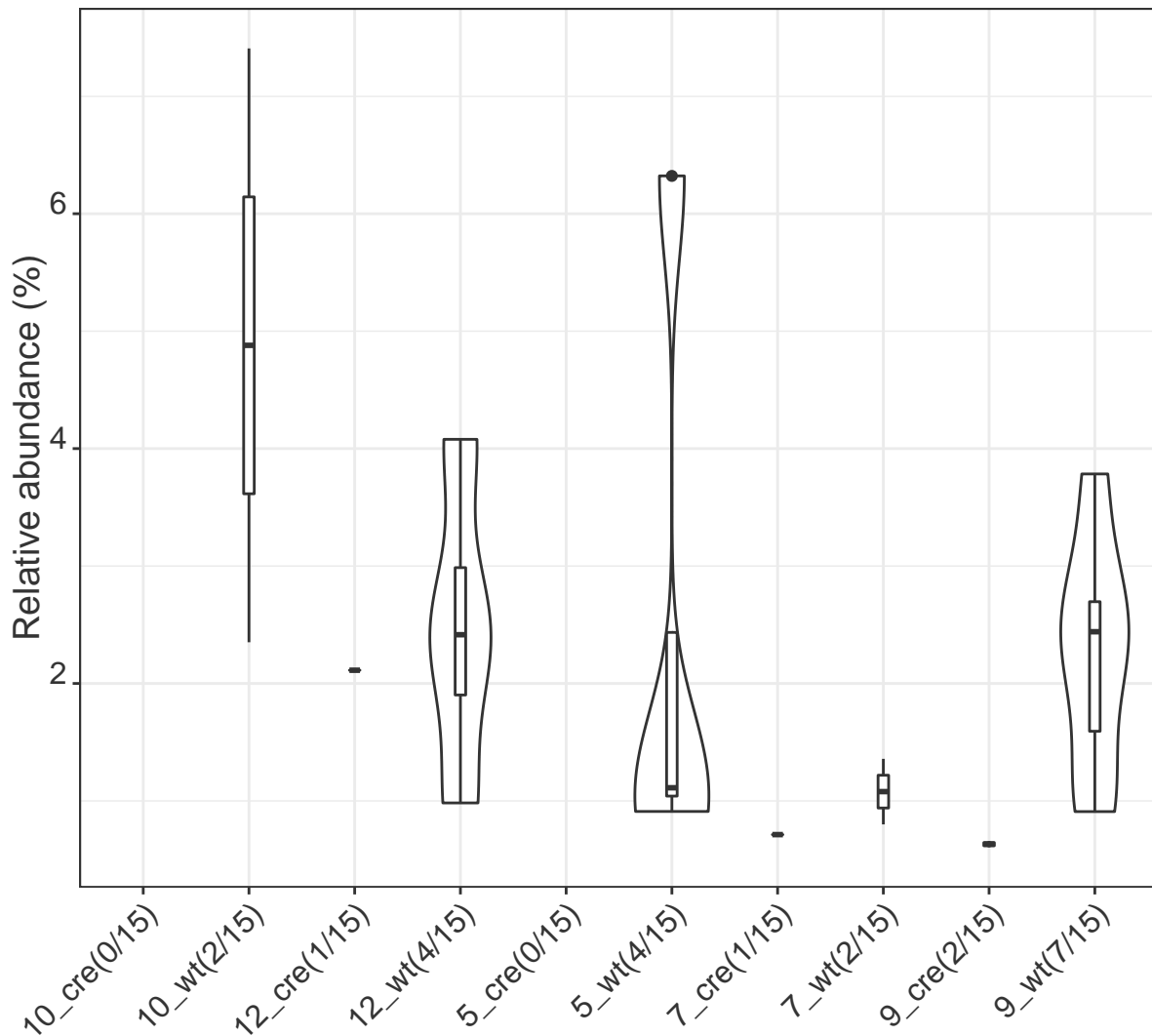
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_51 | 0.0066 | 0.033 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0066 | 0.033 |

OTU_36



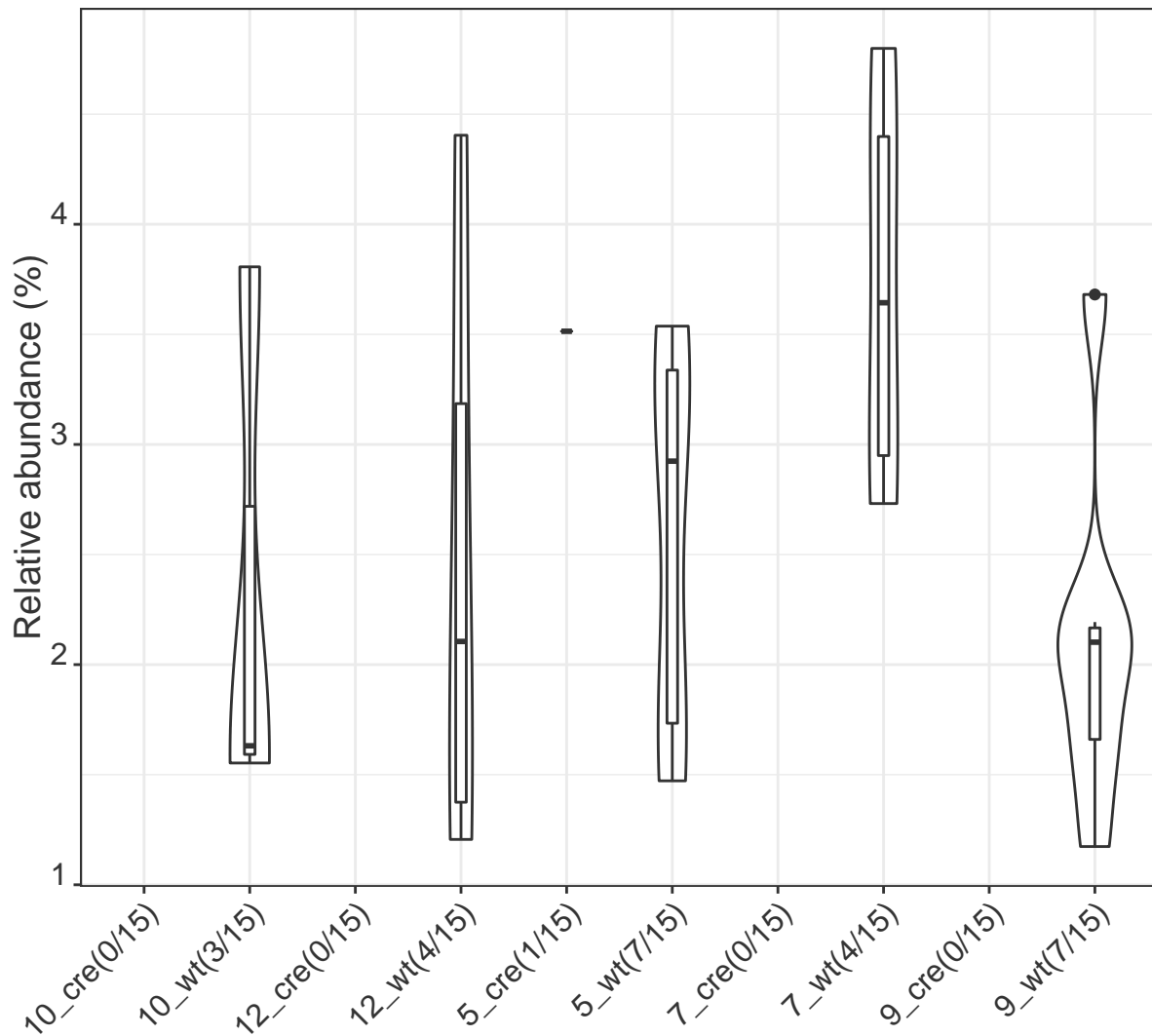
Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_36 | 0.0104 | 0.0534 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–10 | 0.0063 | 0.1417 |
| 3–10 | 0.0352 | 0.3960 |
| 5–10 | 0.0063 | 0.1417 |
| 7–10 | 0.0352 | 0.3960 |

OTU_34



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_34 | 0 | 0 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_34 | 0.0046 | 0.0277 |

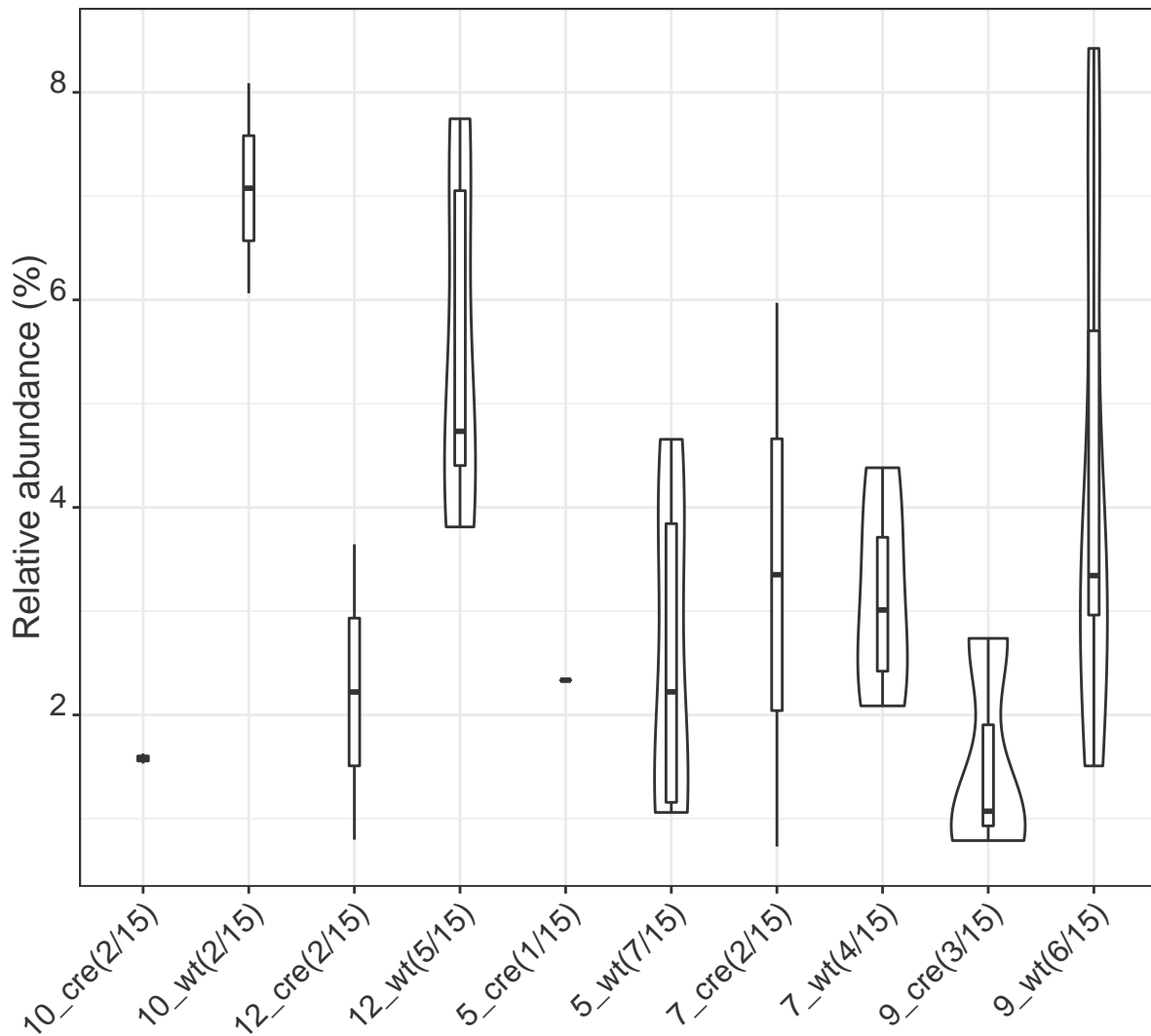
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–6 | 0.0063 | 0.0354 |
| 1–10 | 0.0063 | 0.0354 |
| 3–6 | 0.0063 | 0.0354 |
| 3–10 | 0.0063 | 0.0354 |
| 5–6 | 0.0352 | 0.1584 |
| 5–10 | 0.0352 | 0.1584 |
| 6–7 | 0.0063 | 0.0354 |
| 6–9 | 0.0063 | 0.0354 |
| 7–10 | 0.0063 | 0.0354 |
| 9–10 | 0.0063 | 0.0354 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0046 | 0.0277 |

OTU_3



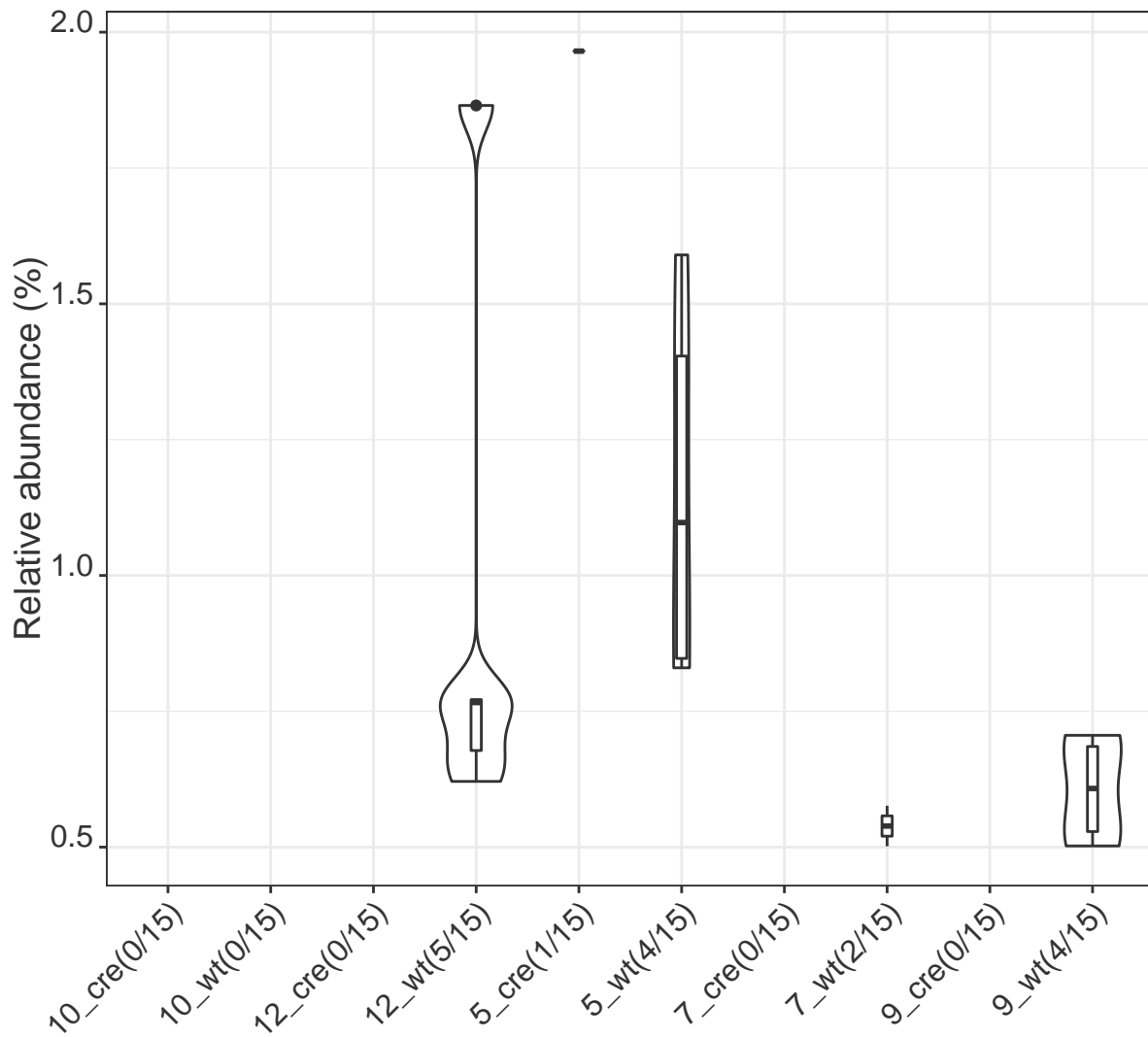
Friedman Test – all groups

| | P-value | Adj. p-value |
|-------|---------|--------------|
| OTU_3 | 0.0301 | 0.1026 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0301 | 0.1026 |

OTU_281



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|---------|---------|-------------|
| OTU_281 | 0.001 | 0.0094 |

Friedman Test – all groups

| | P-value | Adj. p-value |
|---------|---------|--------------|
| OTU_281 | 5e-04 | 0.0042 |

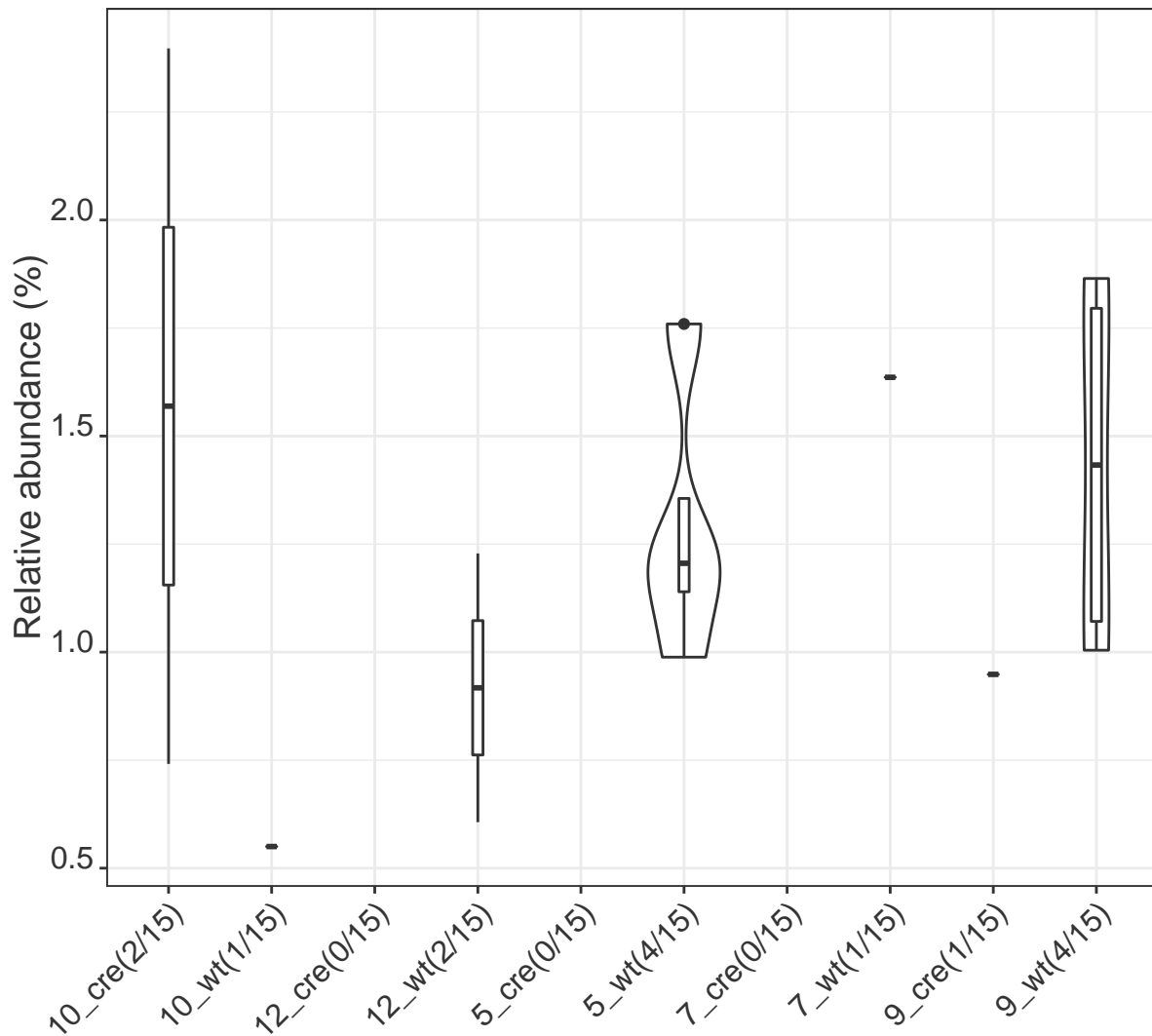
Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1-4 | 0.0421 | 0.2988 |
| 2-4 | 0.0421 | 0.2988 |
| 3-4 | 0.0421 | 0.2988 |
| 4-7 | 0.0421 | 0.2988 |
| 4-9 | 0.0421 | 0.2988 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 5e-04 | 0.0042 |

OTU_58



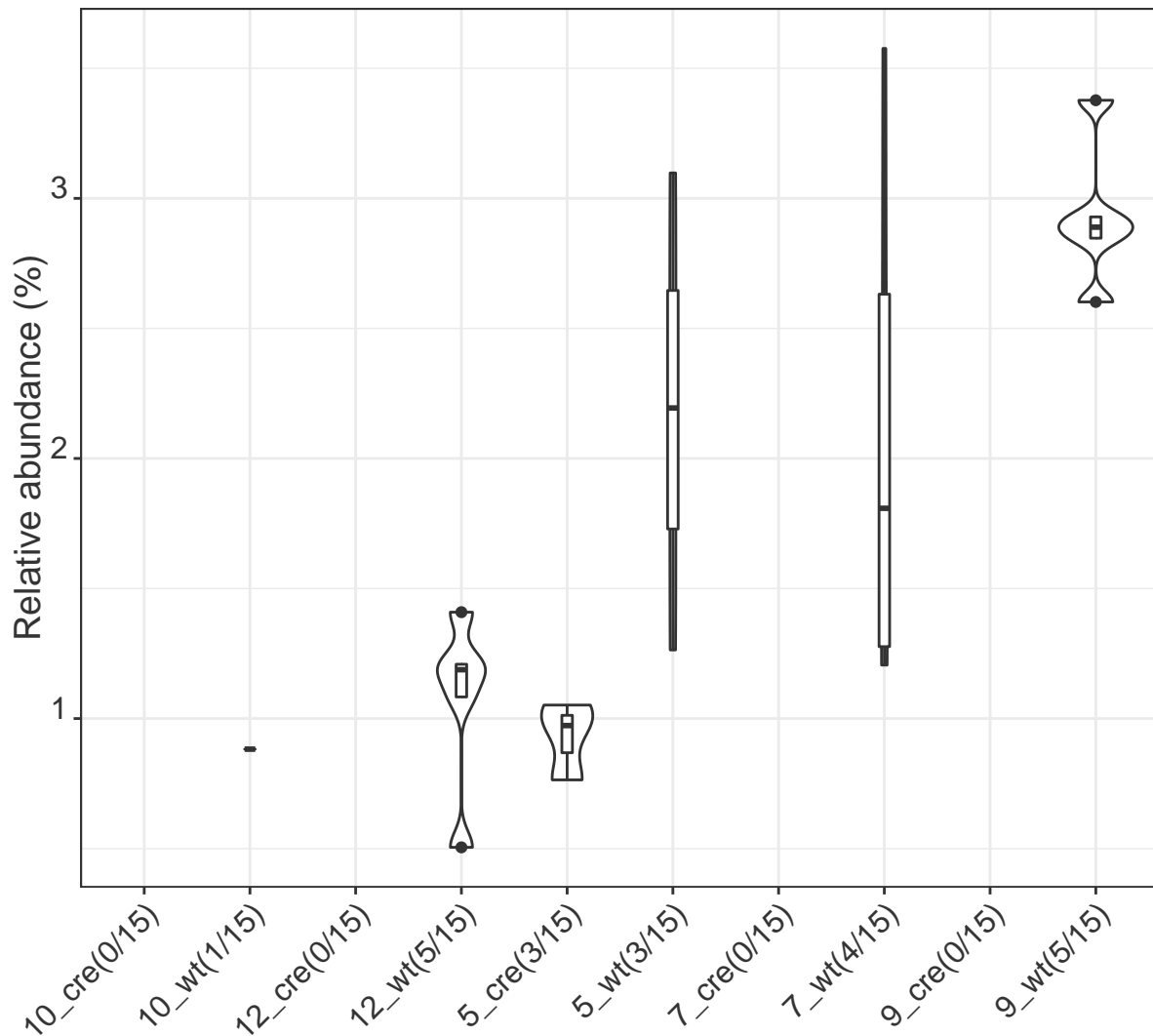
Friedman Test – all groups

| | P-value | Adj. p-value |
|--------|---------|--------------|
| OTU_58 | 0.0174 | 0.0722 |

Paired Wilcoxon Signed Rank Sum Test

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| NA | NA | NA |
| All | 0.0174 | 0.0722 |

OTU_44



Fisher's Exact Test – all groups

| | P-value | Adj.p-value |
|--------|---------|-------------|
| OTU_44 | 0.0021 | 0.0141 |

Fisher's Exact Test – pairwise

| Groups | P-value | Adj. p-value |
|--------|---------|--------------|
| 1–4 | 0.0421 | 0.2368 |
| 1–10 | 0.0421 | 0.2368 |
| 3–4 | 0.0421 | 0.2368 |
| 3–10 | 0.0421 | 0.2368 |
| 4–7 | 0.0421 | 0.2368 |
| 4–9 | 0.0421 | 0.2368 |
| 7–10 | 0.0421 | 0.2368 |
| 9–10 | 0.0421 | 0.2368 |