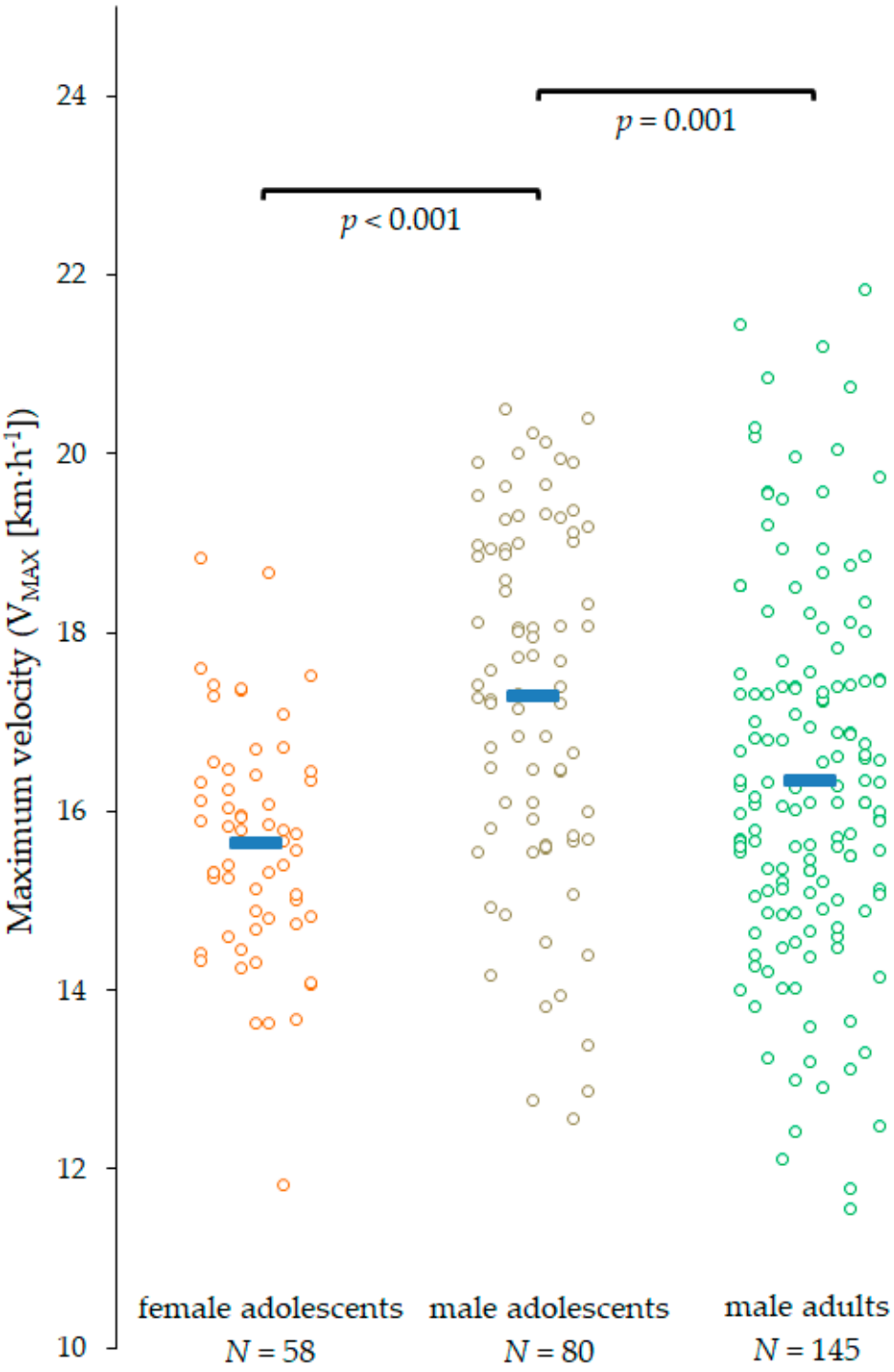
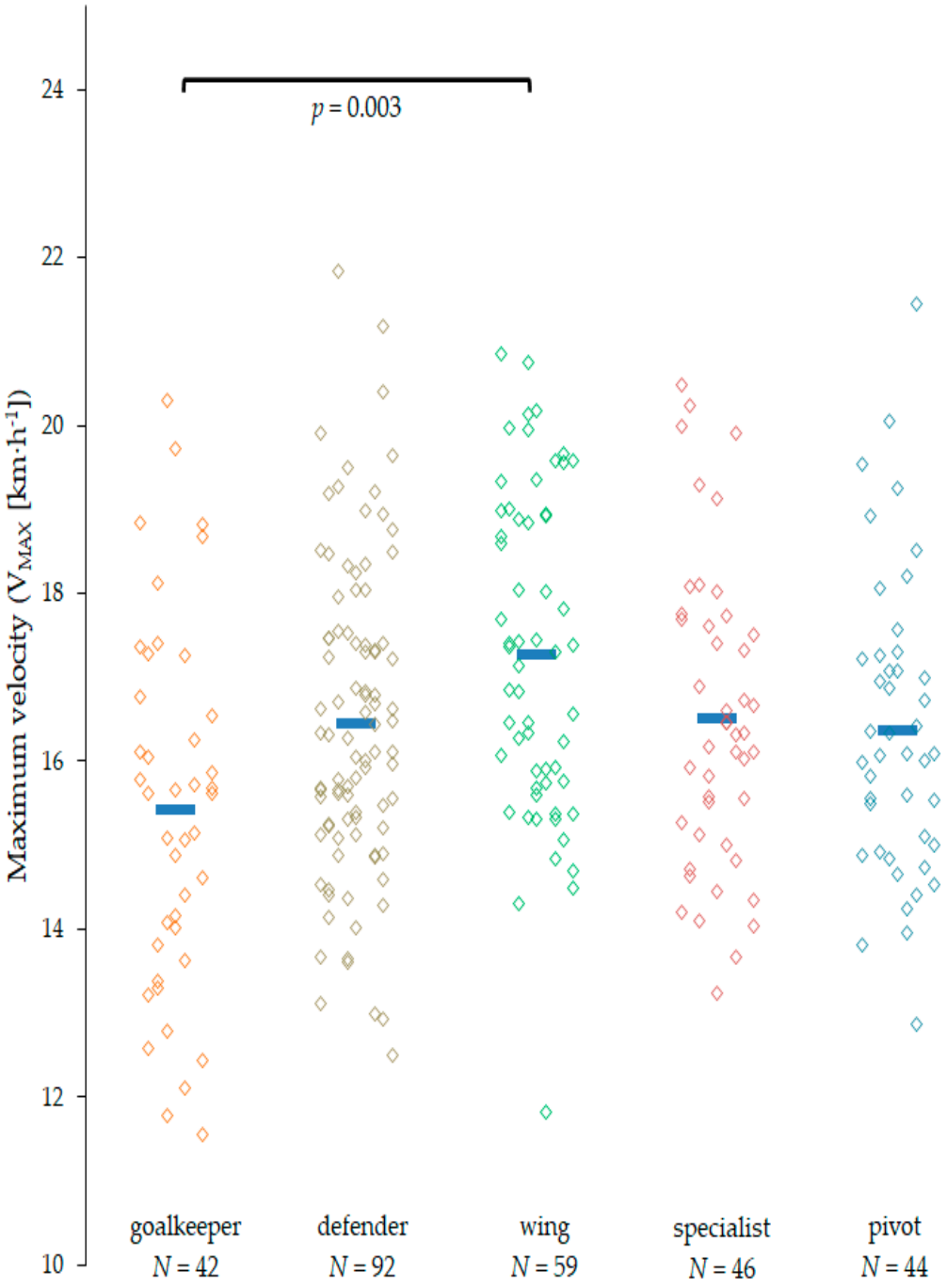
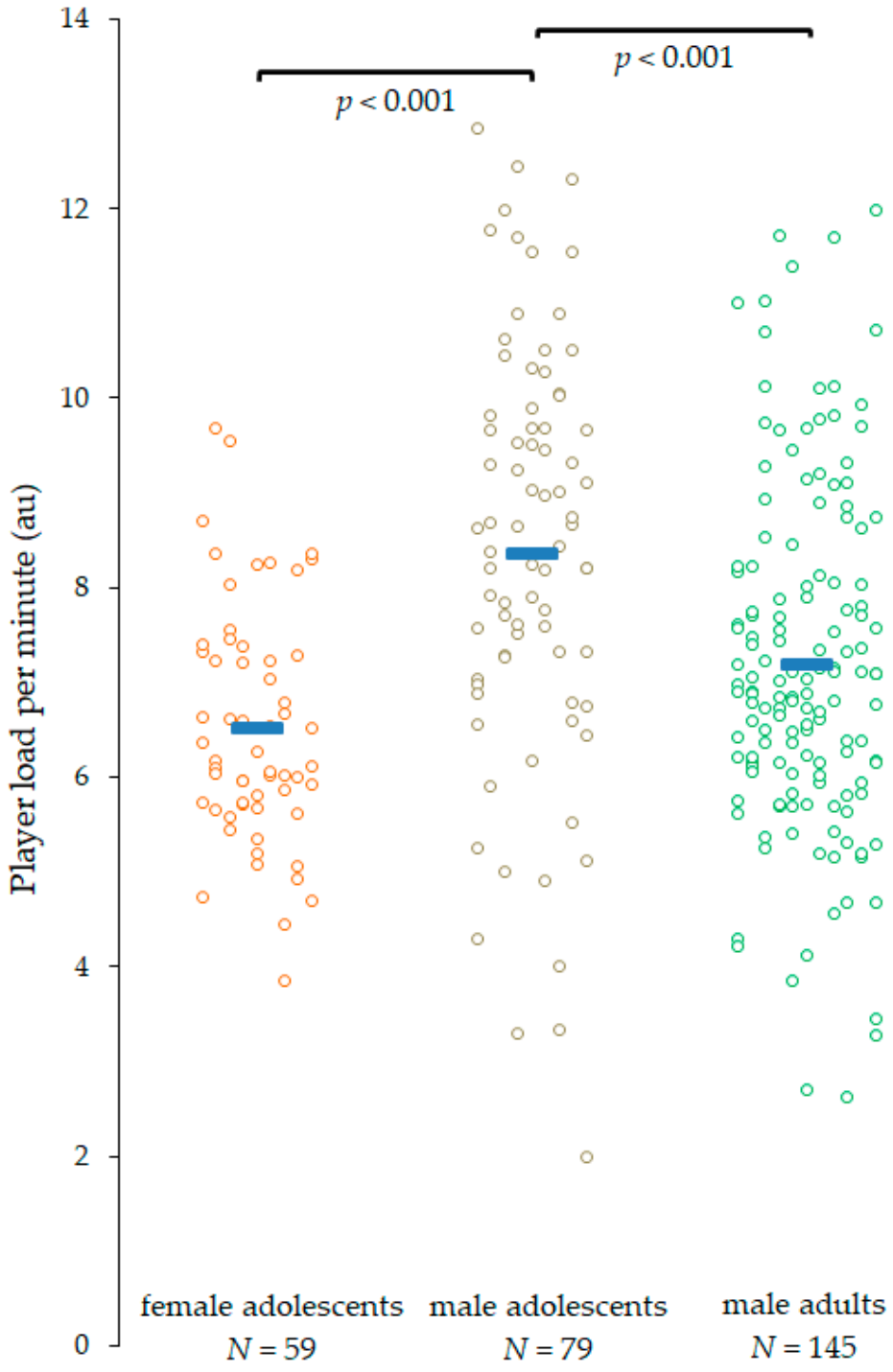

24
22
20
18
16
14
12
10
Maximum velocity (V_{MAX} [km·h^{-1}])
$p = 0.001$
$p < 0.001$
female adolescents
$N = 58$
male adolescents
$N = 80$
male adults
$N = 145$

(**a**)

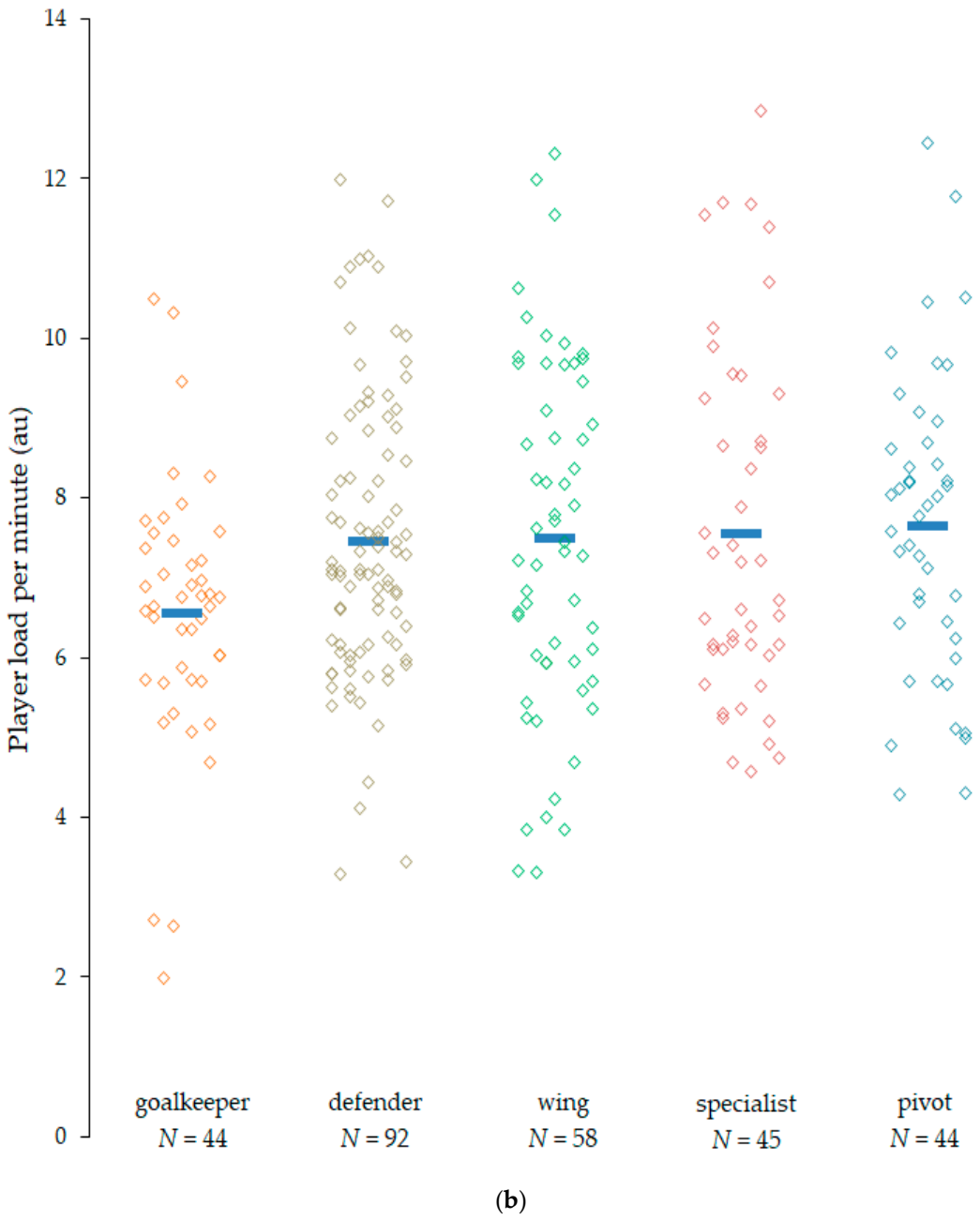


(**b**)

Figure S1. Maximum velocity (V_{MAX} [km·h^{-1}]) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).

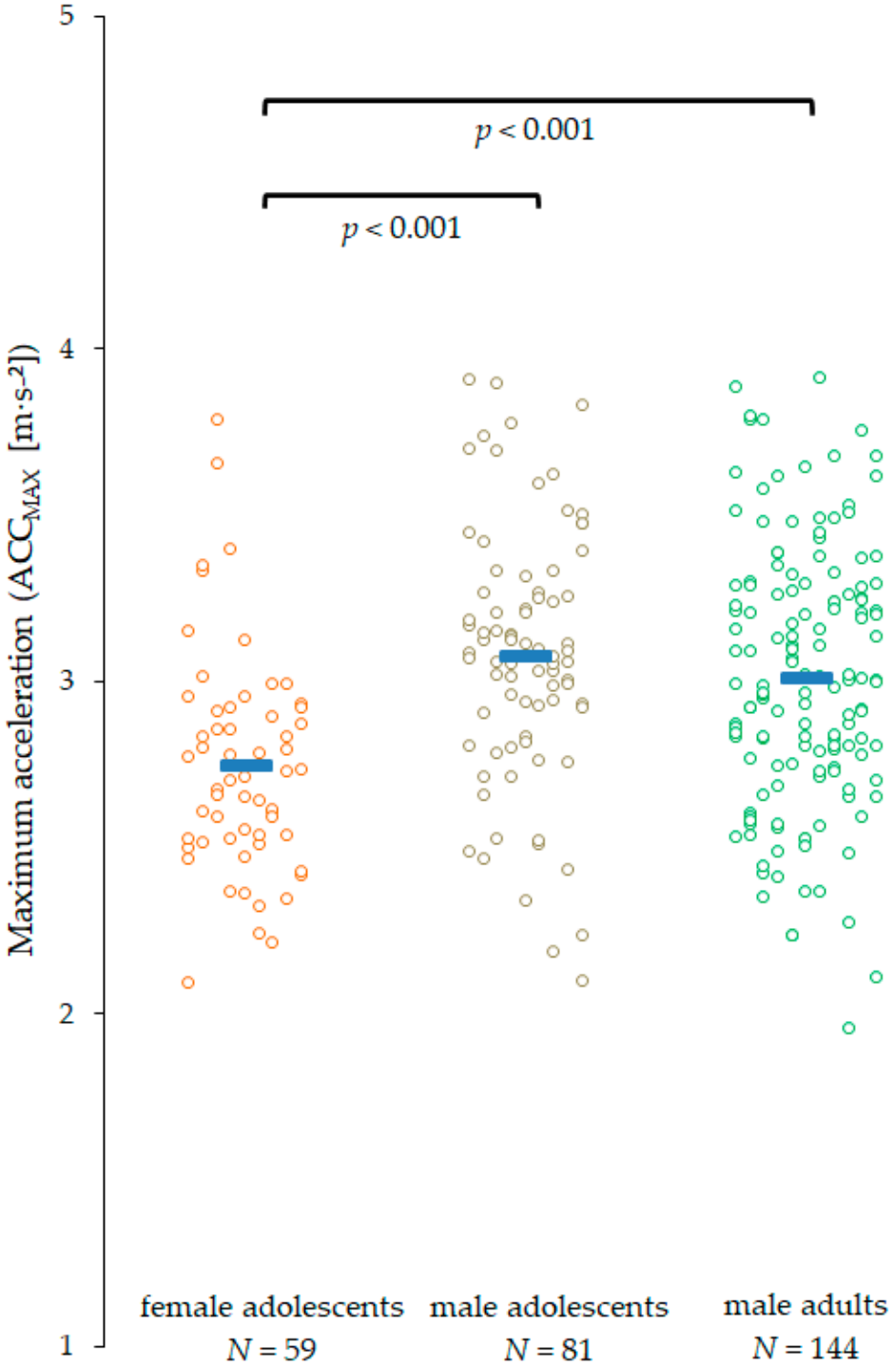

14
12
10
8
6
4
2
0
Player load per minute (au)
p < 0.001
p < 0.001
female adolescents
N = 59
male adolescents
N = 79
male adults
N = 145

(**a**)

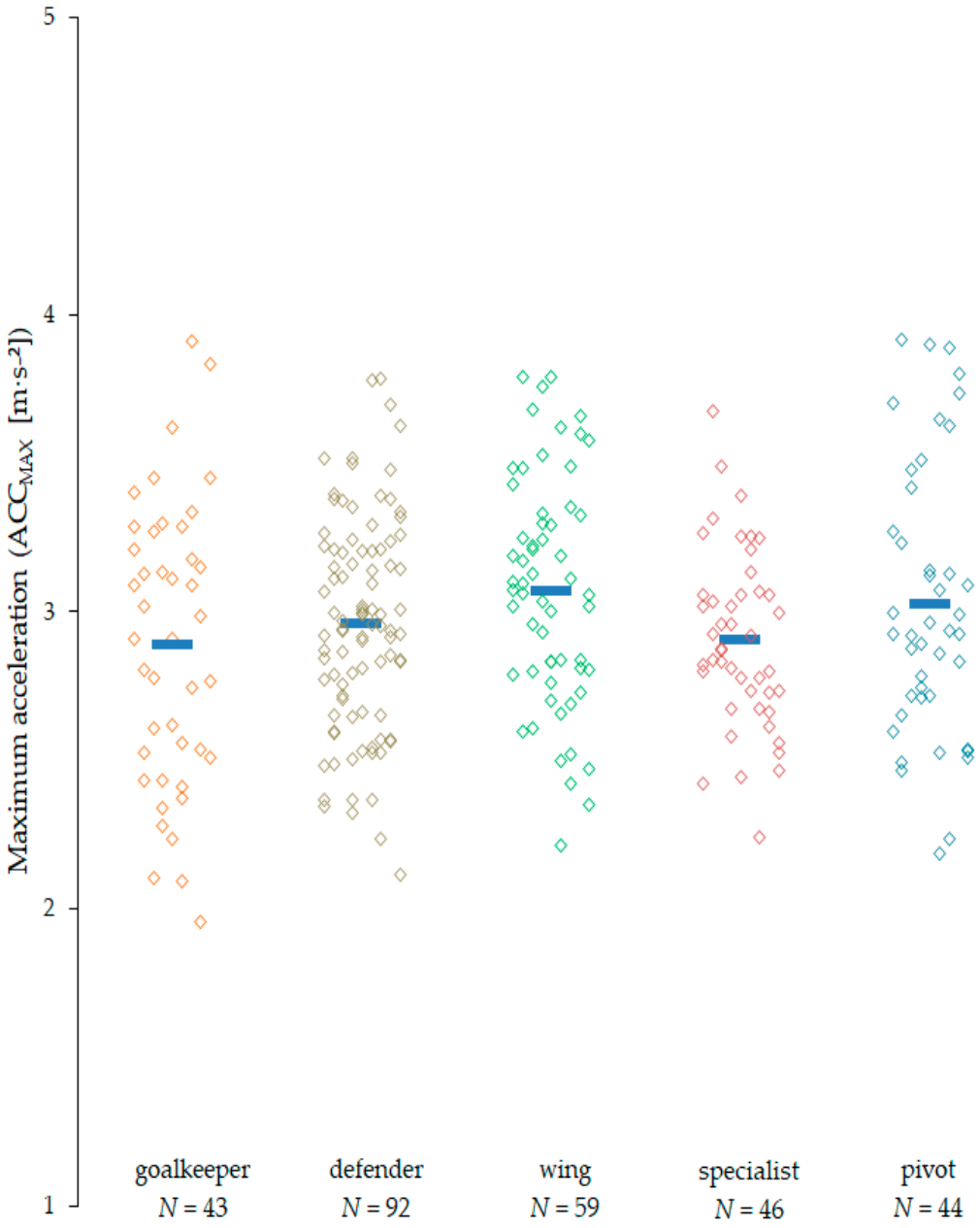


(**b**)

Figure S2. Player load per minute (arbitrary unit, au) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).

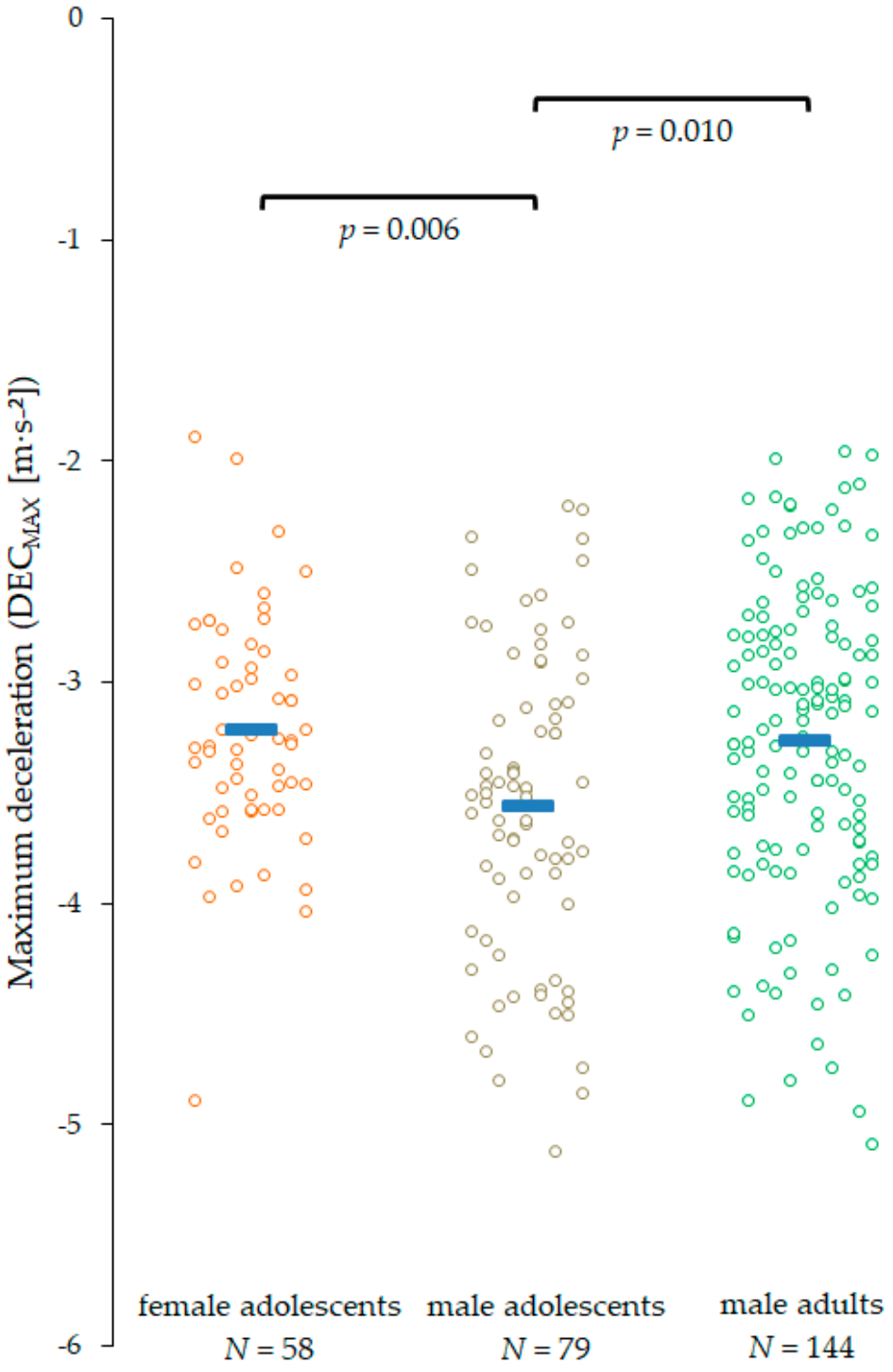

5
4
3
2
1
Maximum acceleration (ACC_{MAX} [m·s^{-2}])
$p < 0.001$
$p < 0.001$
female adolescents
N = 59
male adolescents
N = 81
male adults
N = 144

(**a**)

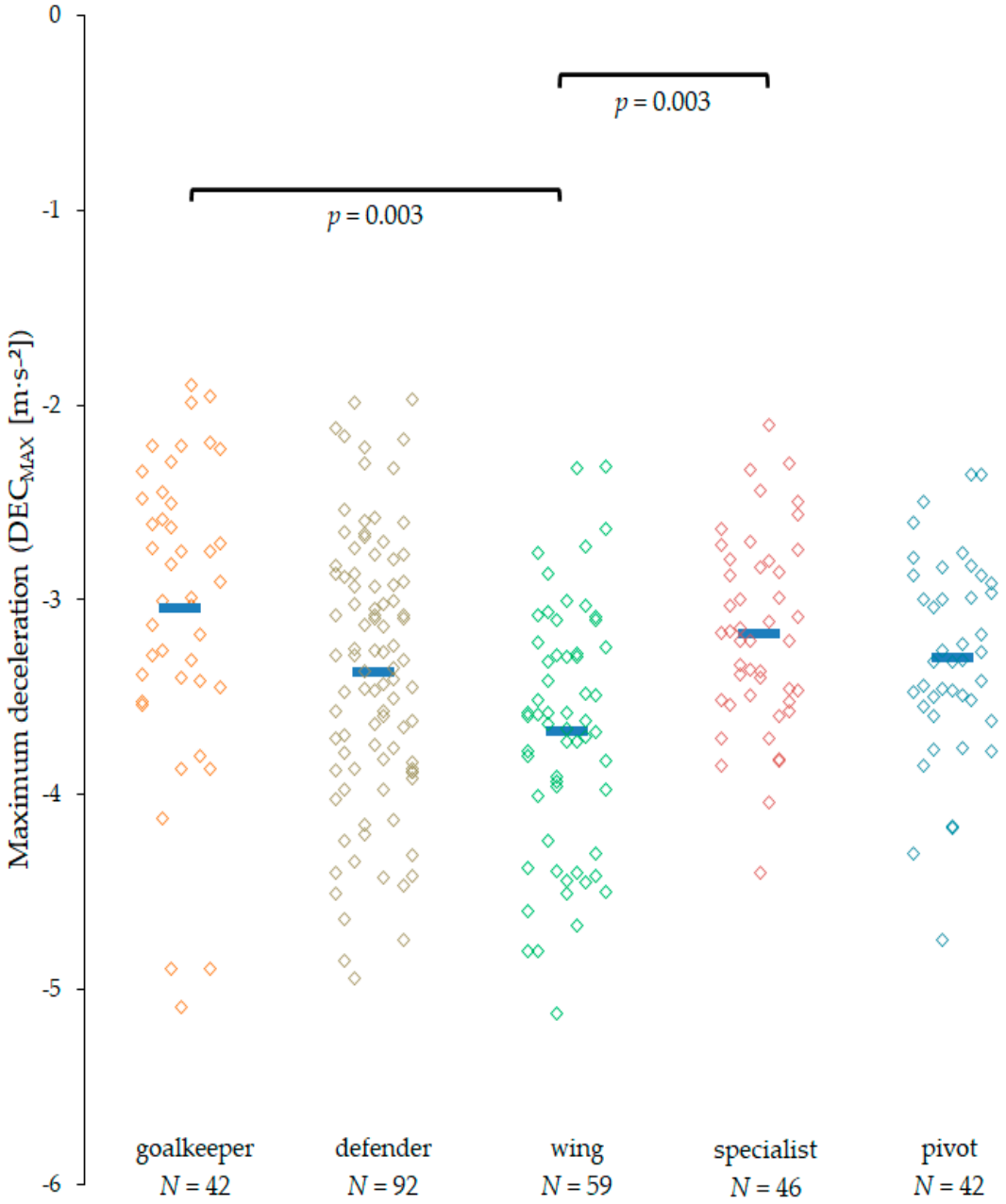


(**b**)

Figure S3. Maximum acceleration (ACC_{MAX} [$m \cdot s^{-2}$]) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).

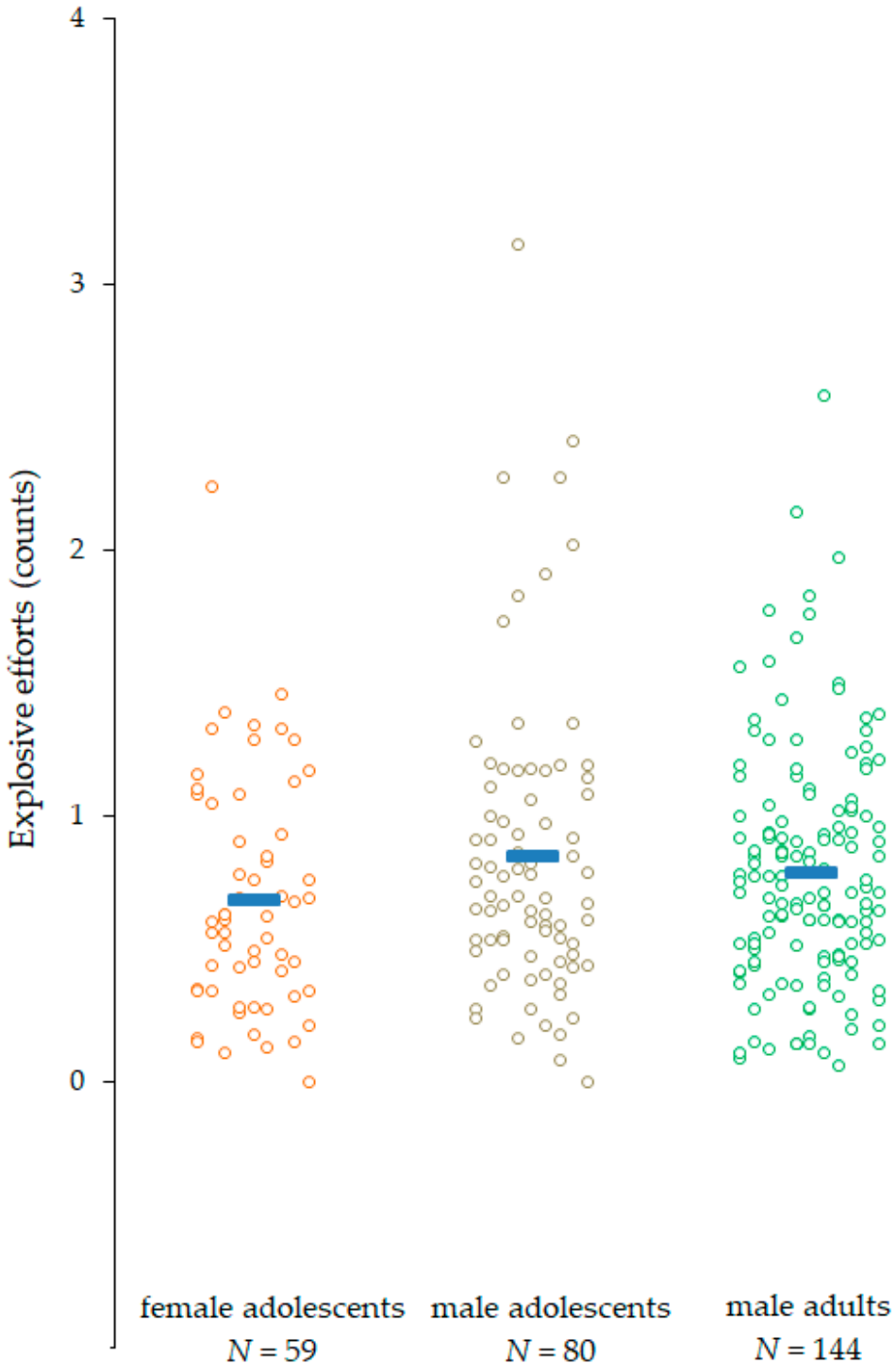

0
-1
-2
-3
-4
-5
-6
Maximum deceleration (DEC$_{MAX}$ [m·s^{-2}])
p = 0.006
p = 0.010
female adolescents
N = 58
male adolescents
N = 79
male adults
N = 144

(**a**)



(**b**)

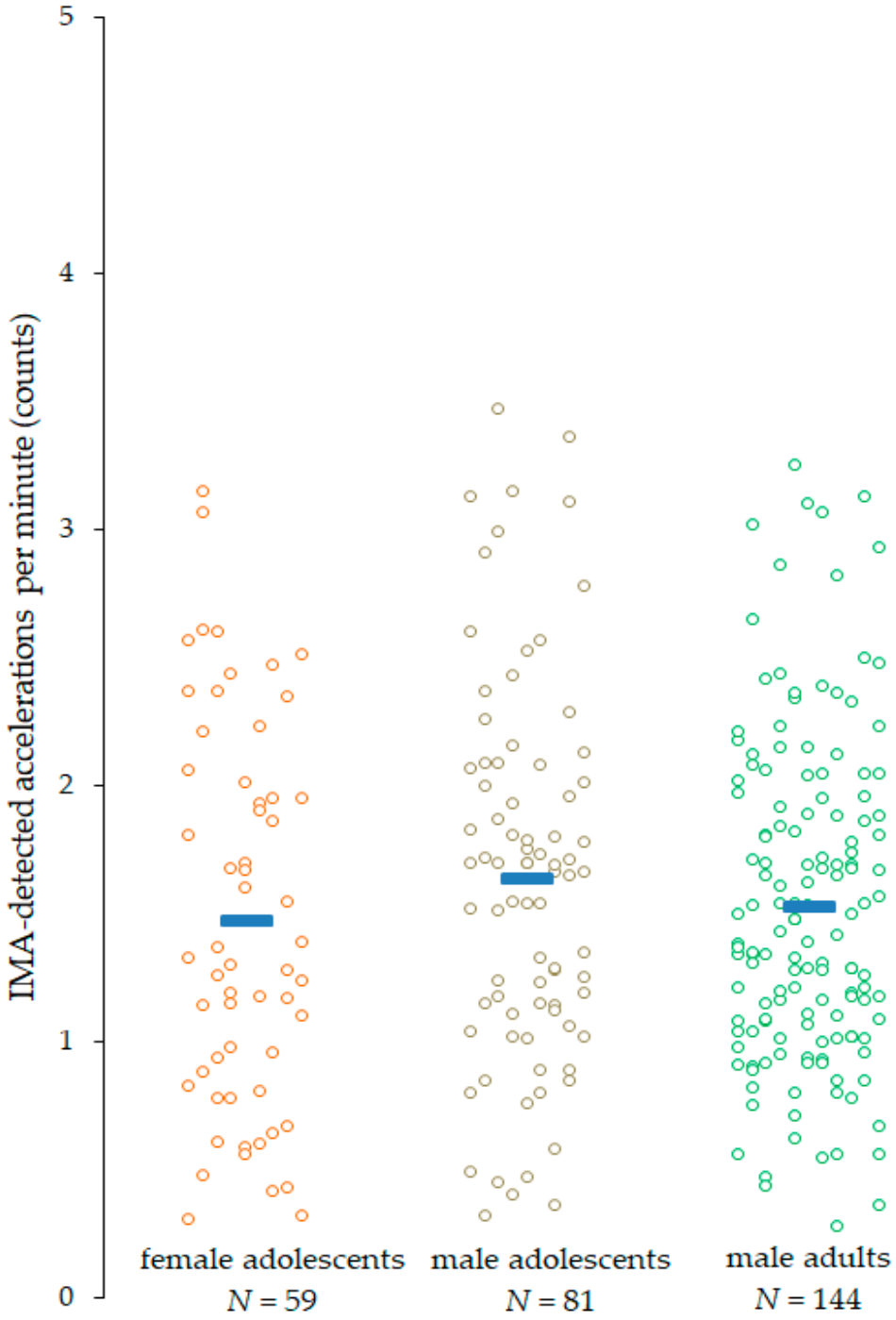
Figure S4. Maximum deceleration (DEC_{MAX} [$m \cdot s^{-2}$]) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).


Explosive efforts (counts)
4
3
2
1
0
female adolescents
N = 59
male adolescents
N = 80
male adults
N = 144

(**a**)



Figure S5. Explosive efforts per minute (counts) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).


IMA-detected accelerations per minute (counts)
5
4
3
2
1
0
female adolescents
N = 59
male adolescents
N = 81
male adults
N = 144

(**a**)

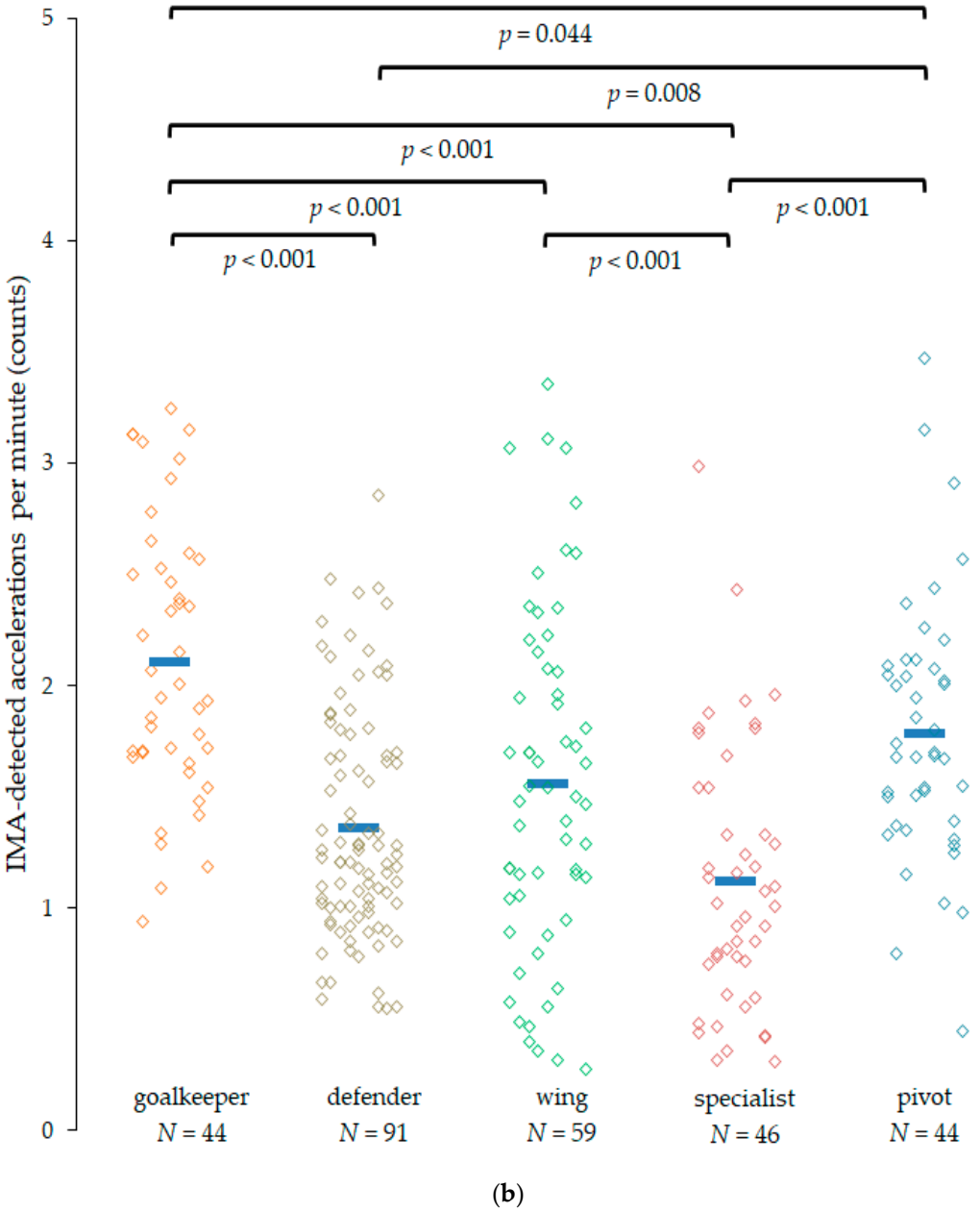
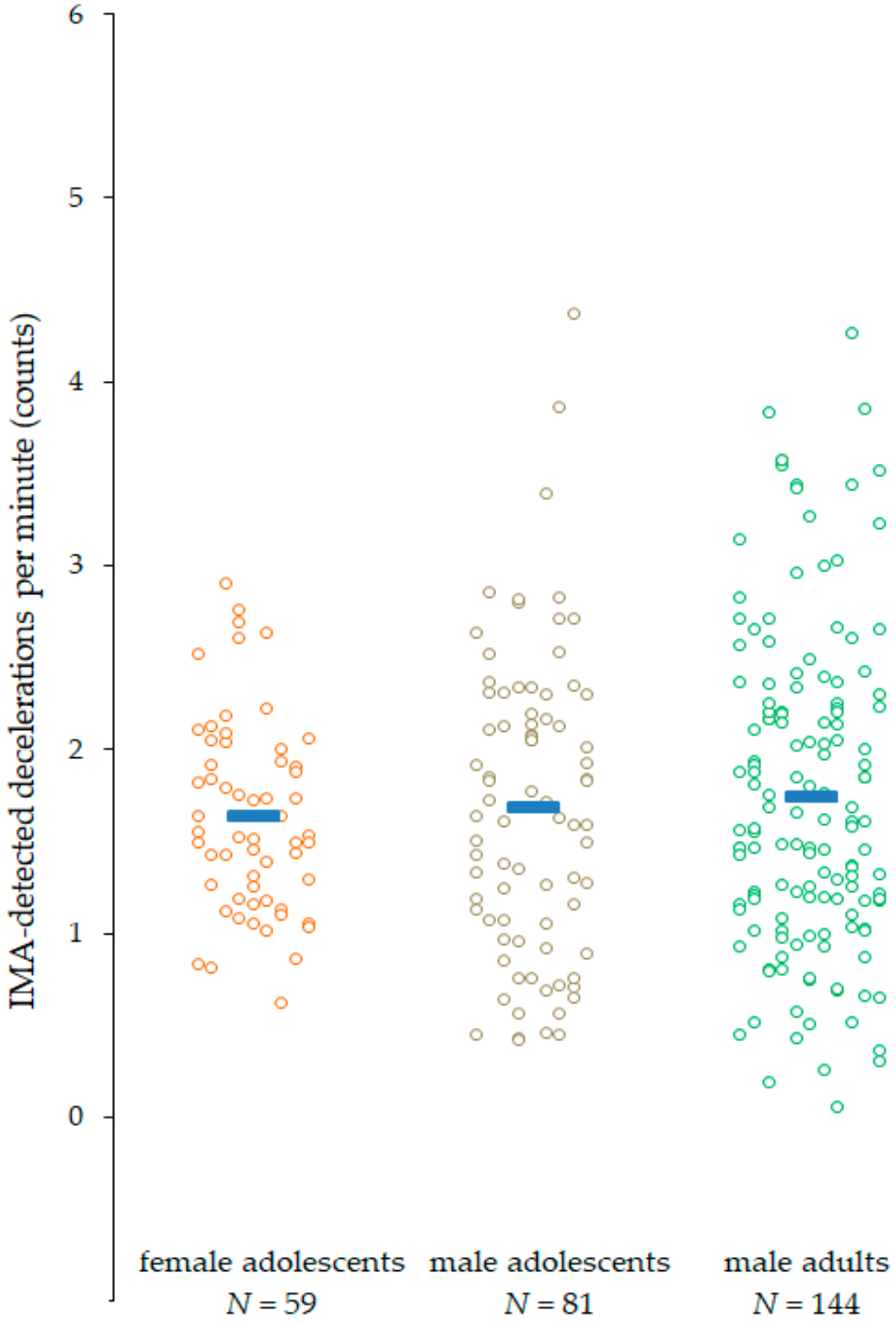
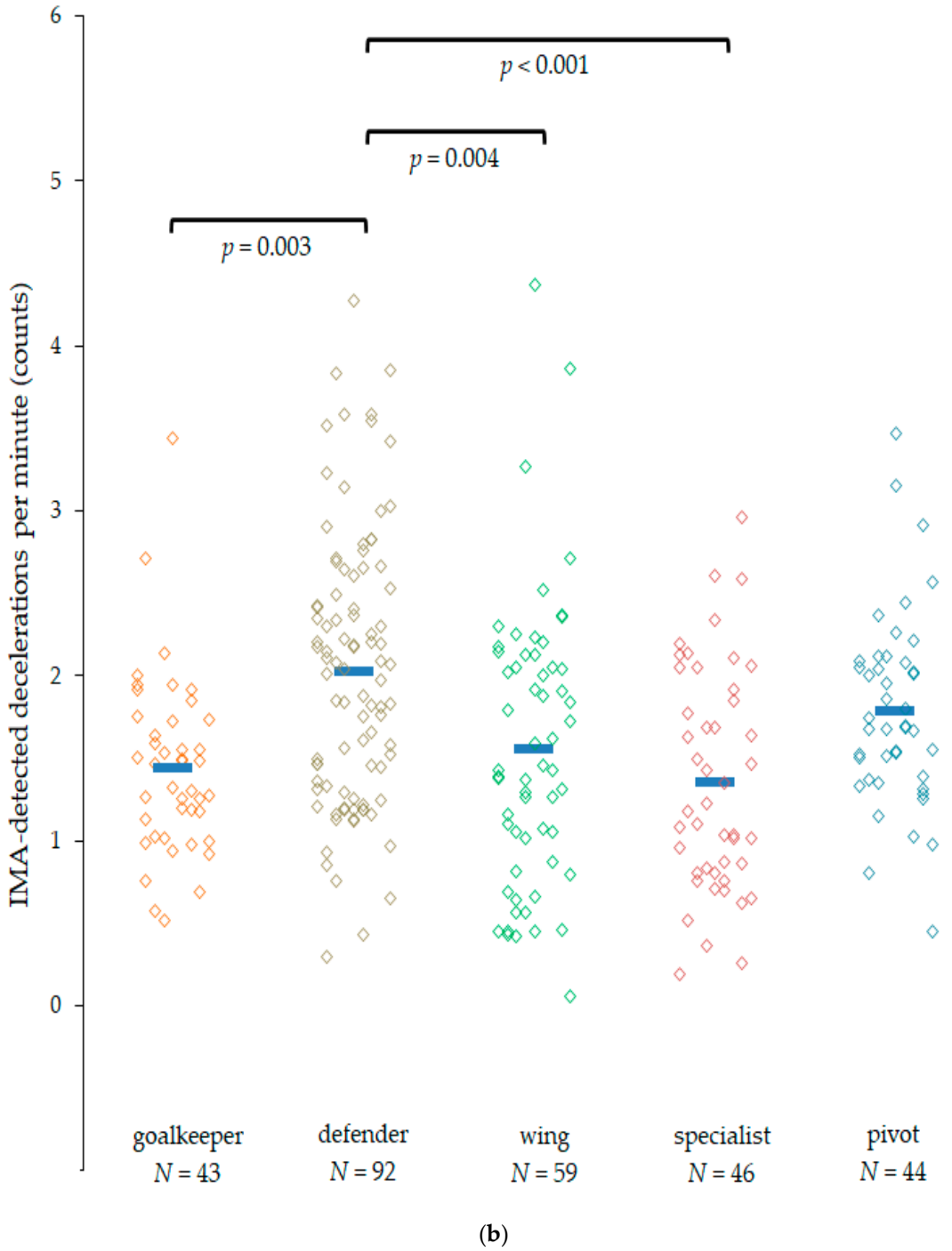


Figure S6. IMA-detected accelerations per minute (counts) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).

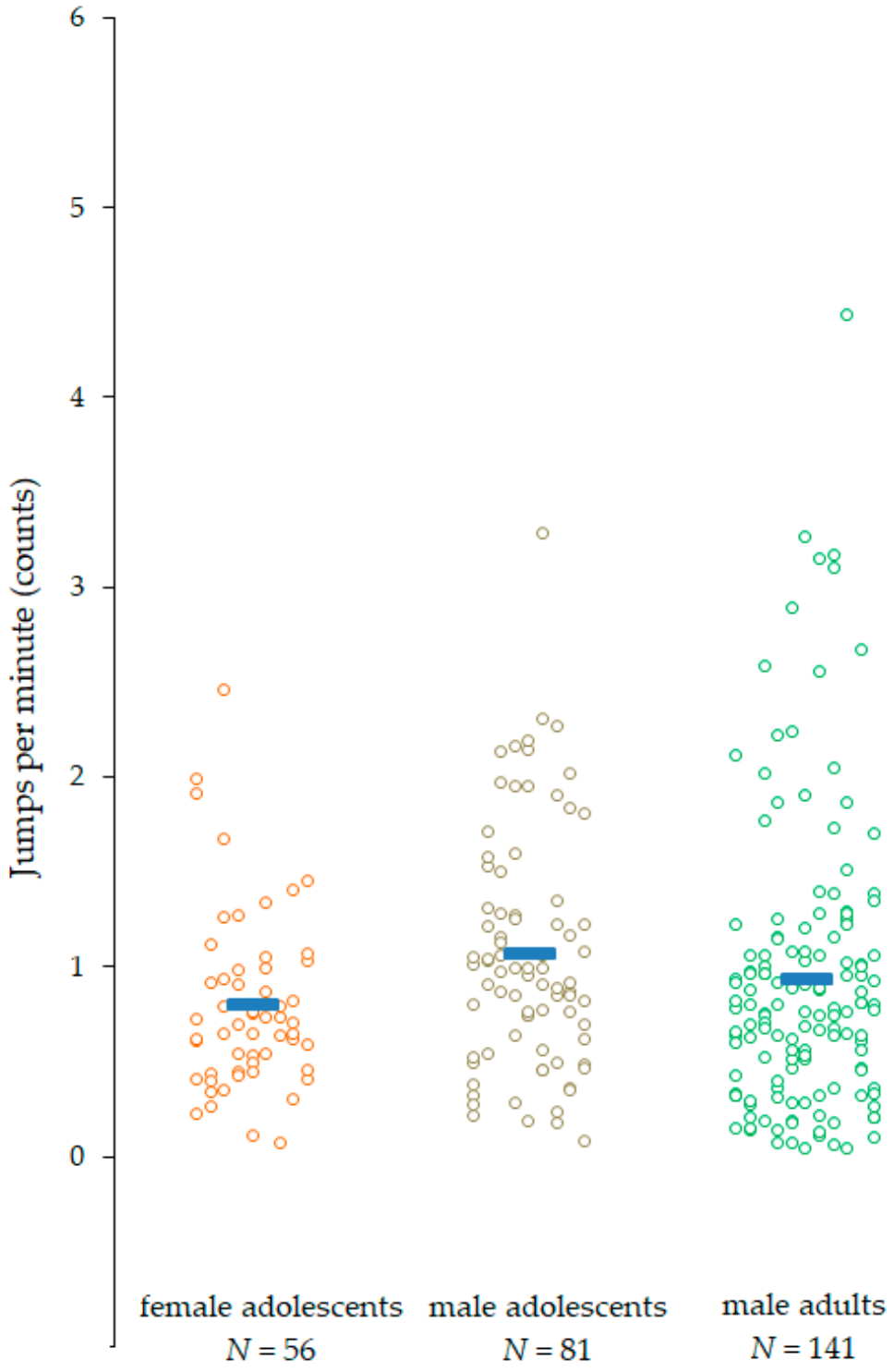

IMA-detected decelerations per minute (counts)
6
5
4
3
2
1
0
female adolescents
N = 59
male adolescents
N = 81
male adults
N = 144

(**a**)

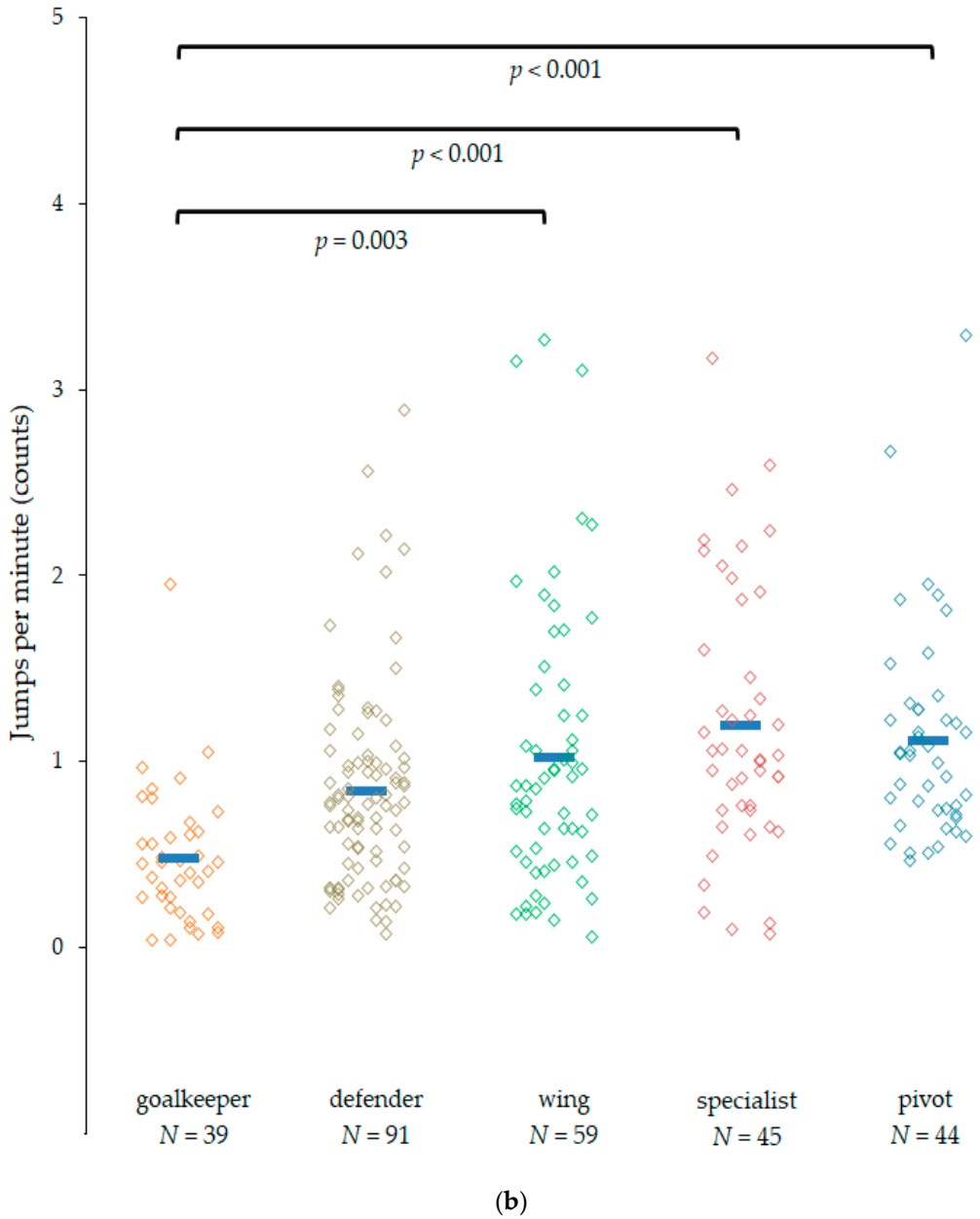


(**b**)

Figure S7. IMA-detected decelerations per minute (counts) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).


Jumps per minute (counts)
6
5
4
3
2
1
0
female adolescents
N = 56
male adolescents
N = 81
male adults
N = 141

(**a**)



(**b**)

Figure S8. Jumps per minute (counts) across the subgroups: (**a**) subgroup 1 (age/sex); (**b**) subgroup 2 (playing position).