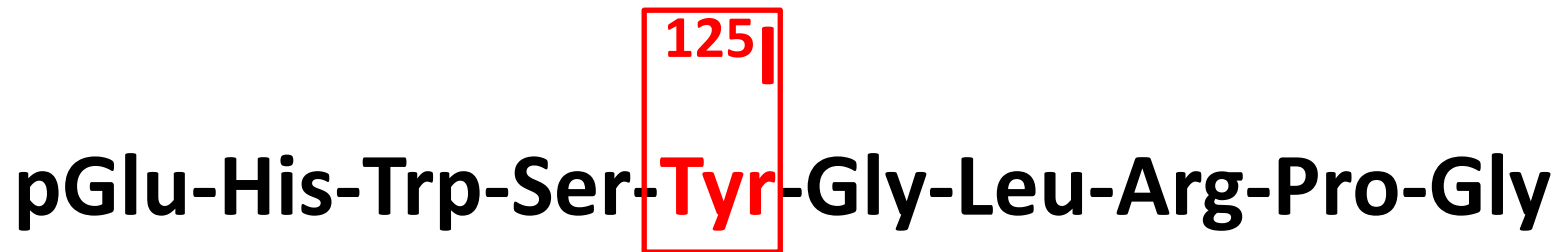


Success of Improvac vaccination – more than yes or no

Gn-RH- Antibody quantification

AS-Sequence:



GnRH- binding Assay

GnRH-Iodination (solid phase Iodogen-method 1µg/cup; resulting specific activity 200 µCi/µg)

15 000 cpm ¹²⁵I-GnRH (corresponding to 17,5 pg GnRH)

5 µl plasma in 400µl PBSA (in duplicate)

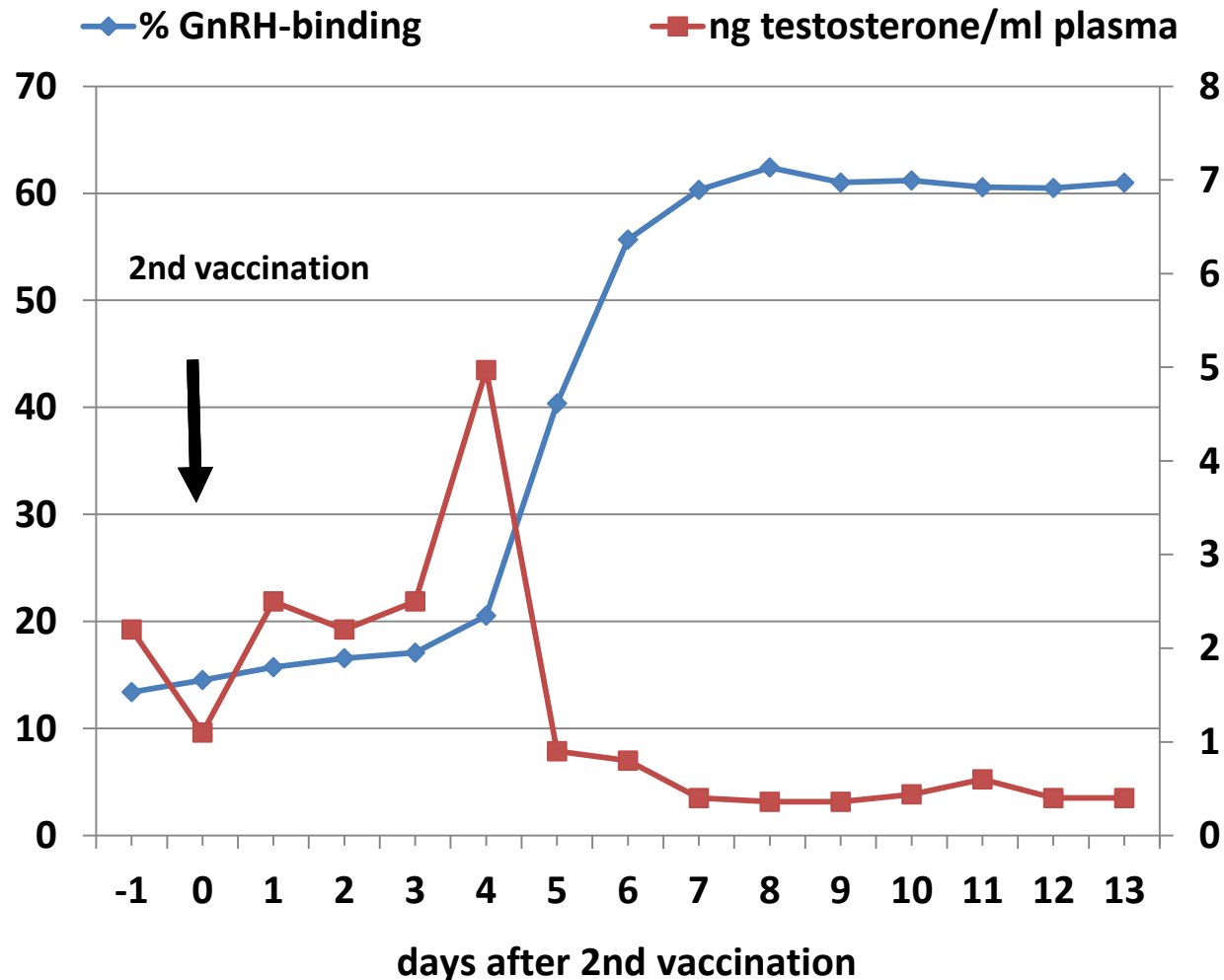
Incubation at 4° for 24 h

Bound-free separation (500µl ice cold Dextran coated charcoal solution, centrifugation)

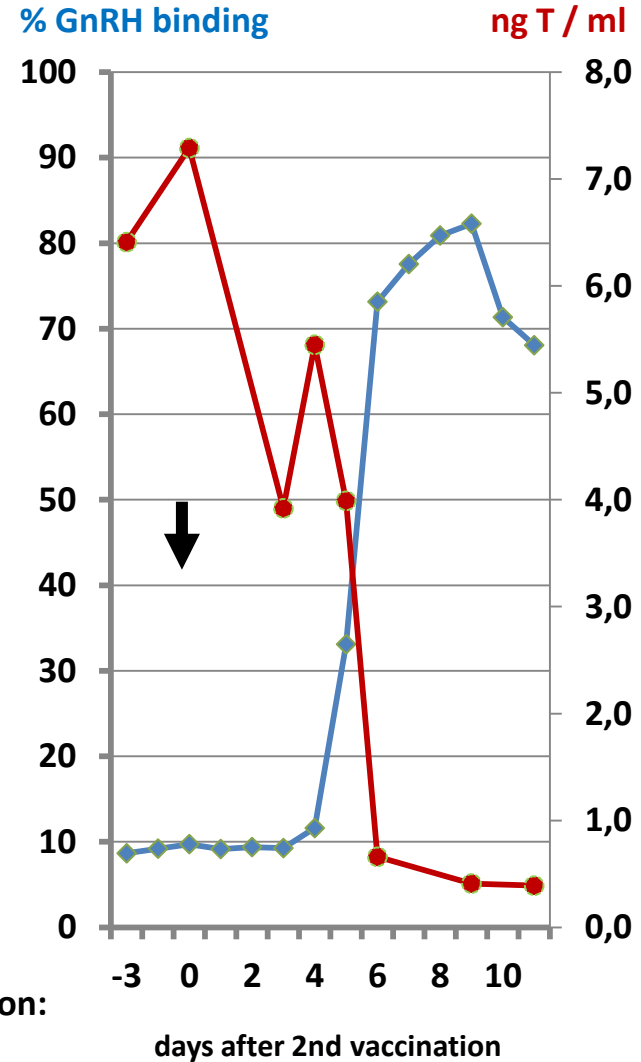
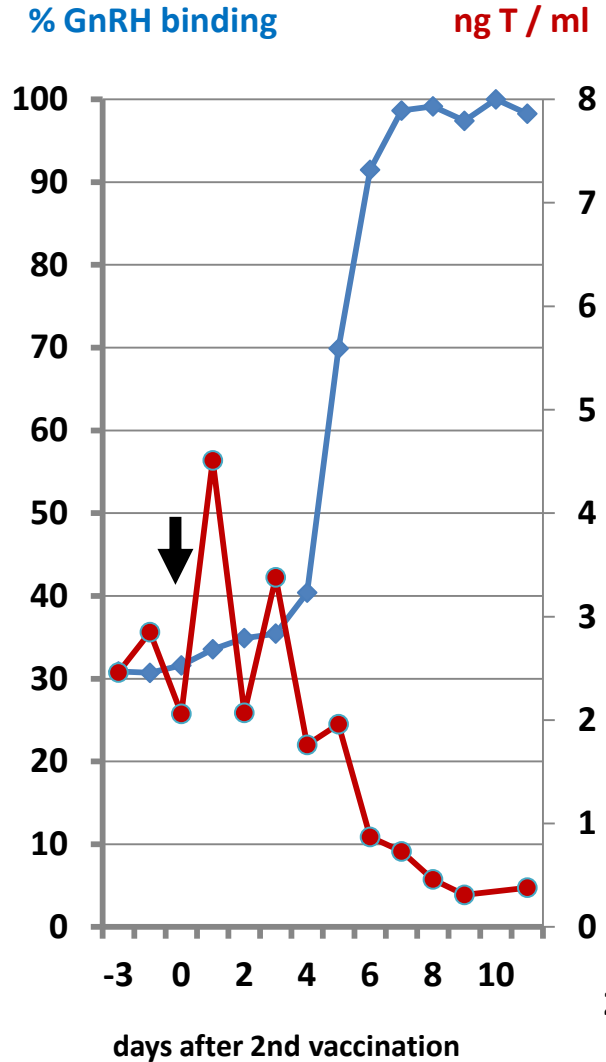
Counting of supernatant

QC: Immunized plasma (65% binding)
entire male plasma (7% binding)

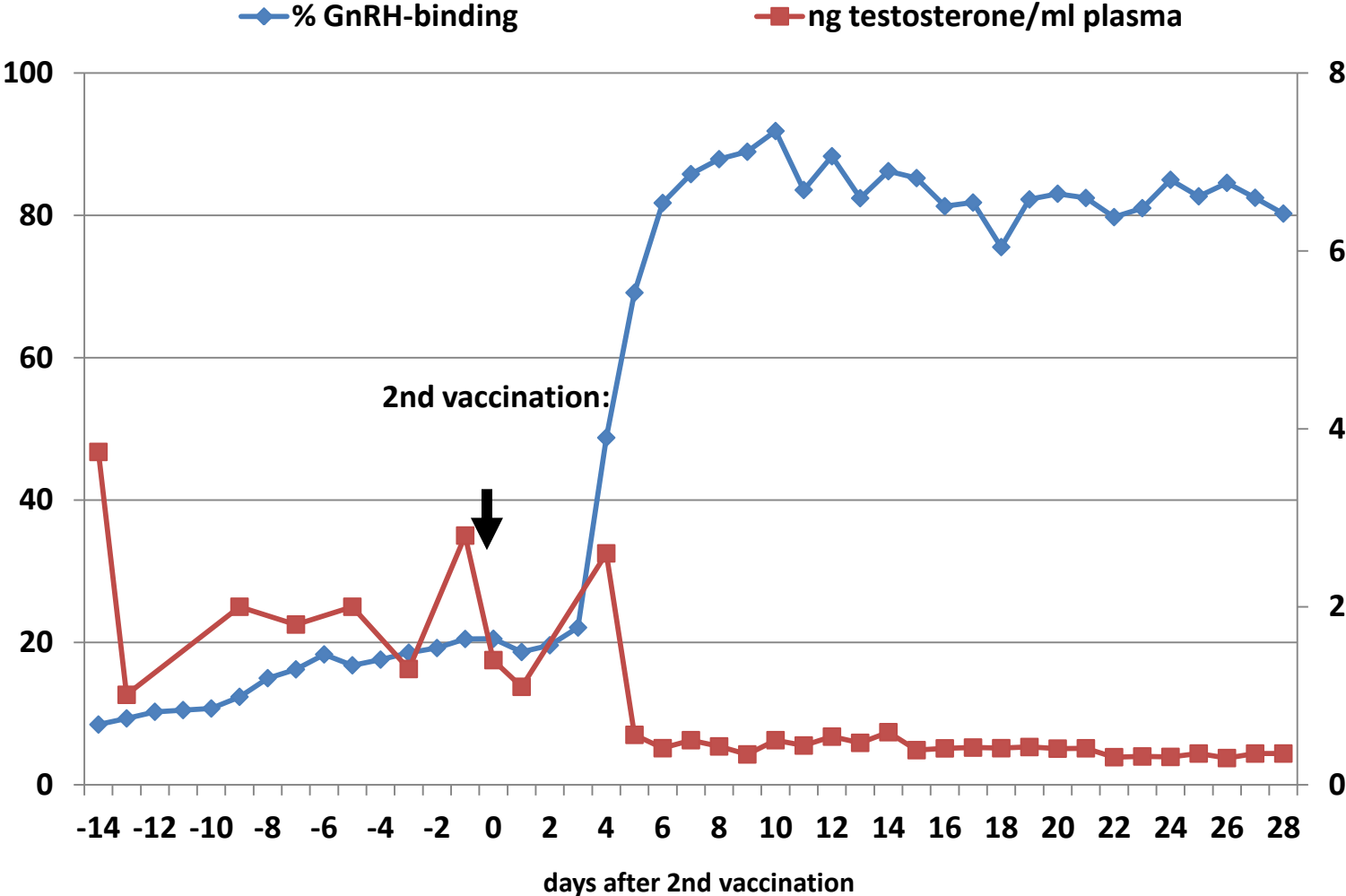
Changes after the 2nd vaccination (absolute binding).....



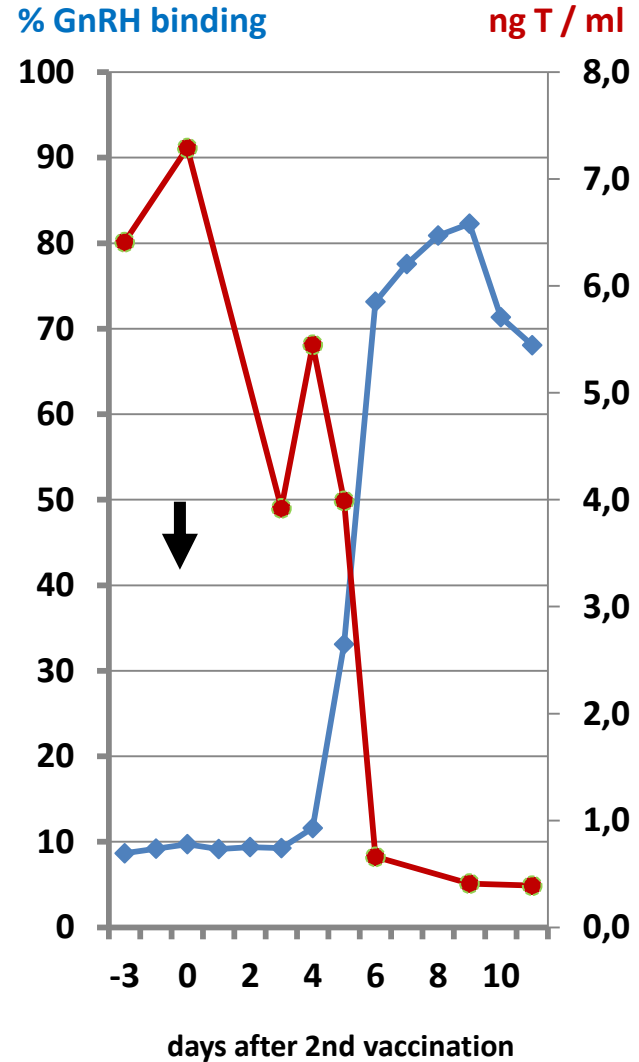
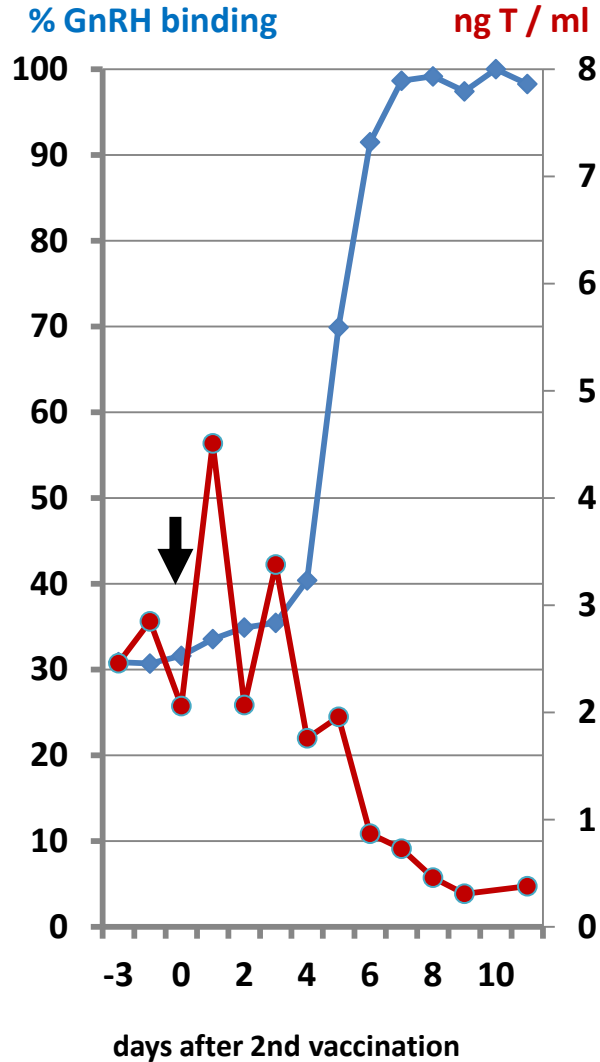
Individual differences (relative binding)...



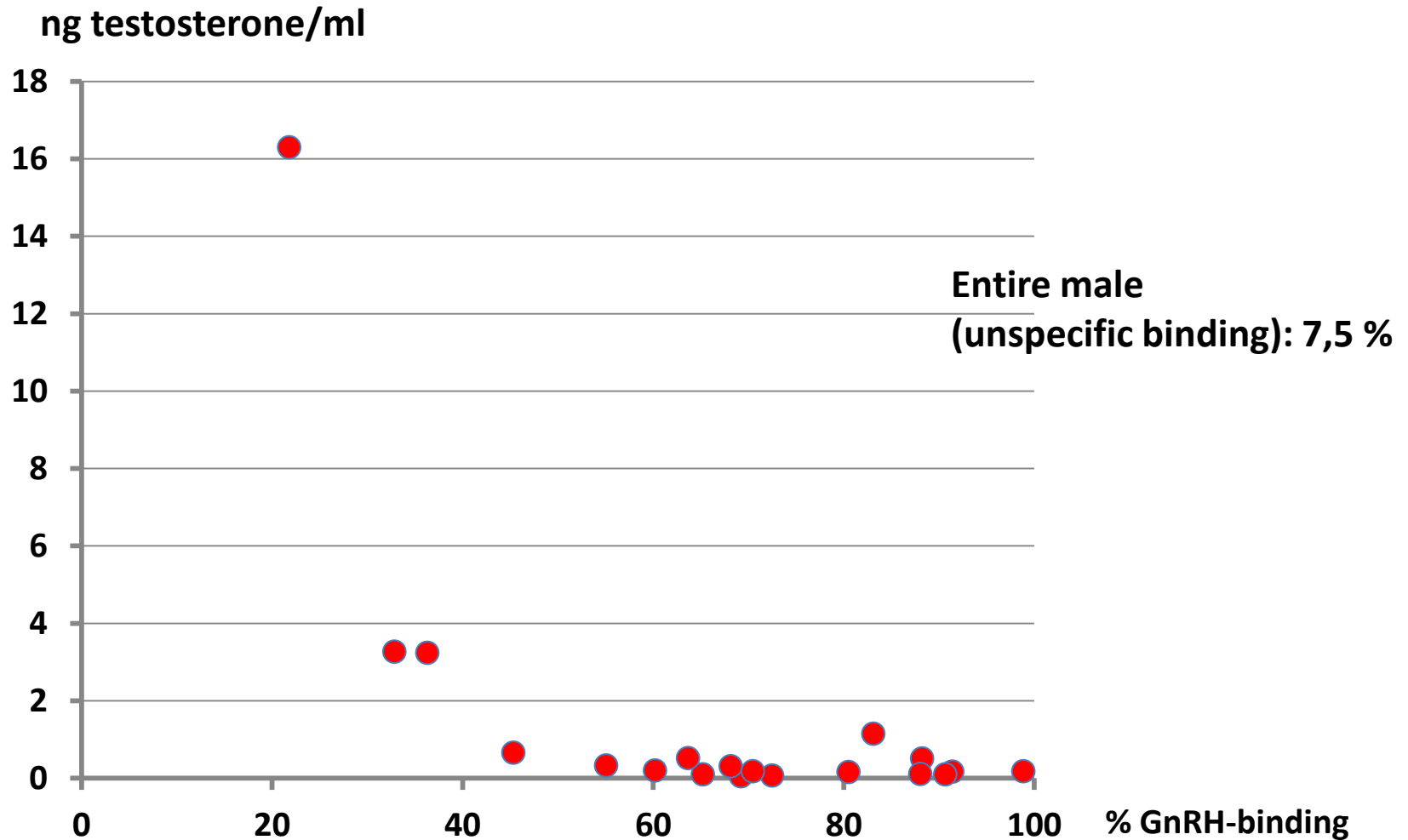
... already before the 2nd vaccination (relative binding)...



Individual differences (relative binding)!



% GnRH-binding (relative binding) and testosterone concentrations in blood plasma from IC at slaughter



Skatole- und Androstenone levels in light (65 kg) und heavy weight (105 kg) boars and IC

