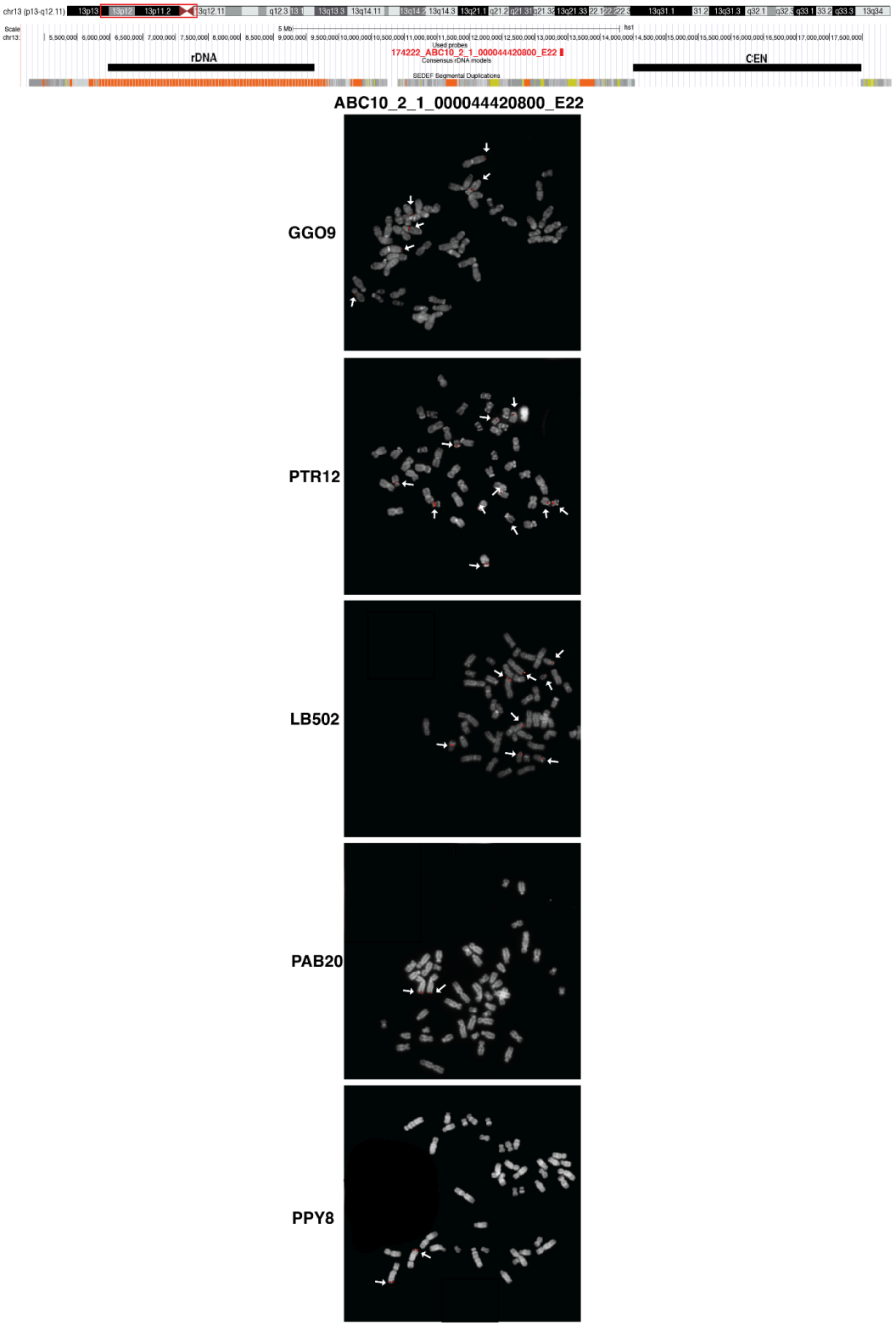


Figure S1: *FISH results of 1174222_ABC10_2_1_000044420800_E22 probe on metaphase spreads for one representative individual per tested species.* The upper panel shows the mapping of the 174222_ABC10_2_1_000044420800_E22 probe against the T2T CHM13v2.0/hs1 reference genome (Nurk et al., 2022), visualized using the UCSC Genome Browser (https://genome.ucsc.edu). The lower panel shows the FISH results of the probe on metaphase spreads for one representative individual per tested species (GGO9; PTR12; LB502; PAB20; PPY8). Probe signals are pseudo-colored in red; arrows indicate the signal-bearing chromosomes.

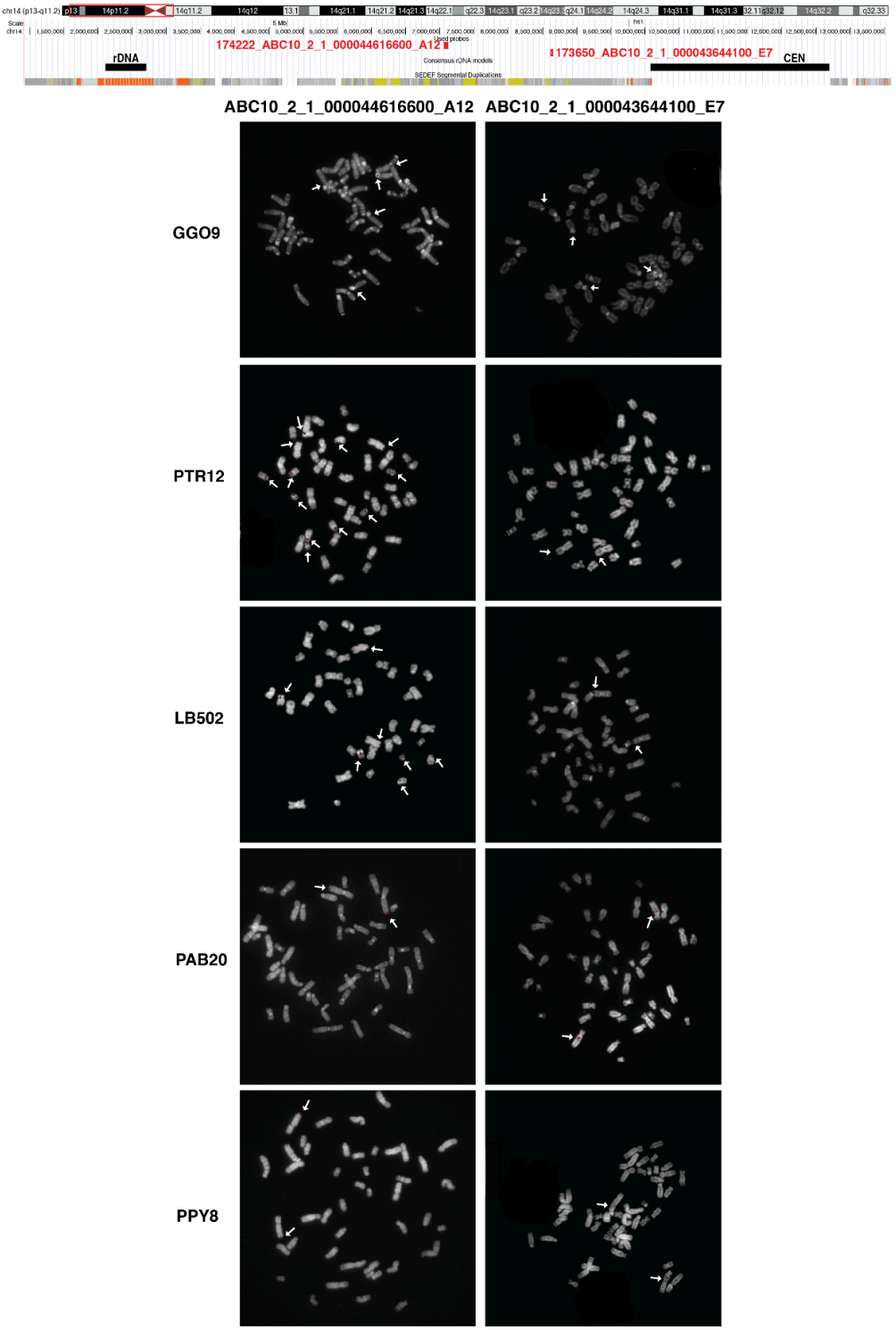


Figure S2. *FISH results of 174222_ABC10_2_1_000044616600_A12 and 173650_ABC10_2_1_000043644100_E7 probes on metaphase spreads for one representative individual per tested species.* The upper panel shows the mapping of the 174222_ABC10_2_1_000044616600_A12 and 173650_ABC10_2_1_000043644100_E7 probes to the T2T CHM13v2.0/hs1 reference genome (Nurk et al., 2022), visualized using the UCSC Genome Browser (https://genome.ucsc.edu). The lower panel shows the FISH results of each probe on metaphase spreads for one representative individual per tested species (GGO9; PTR12; LB502; PAB20; PPY8). Probe signals are pseudo-colored in red; arrows indicate the signal-bearing chromosomes.

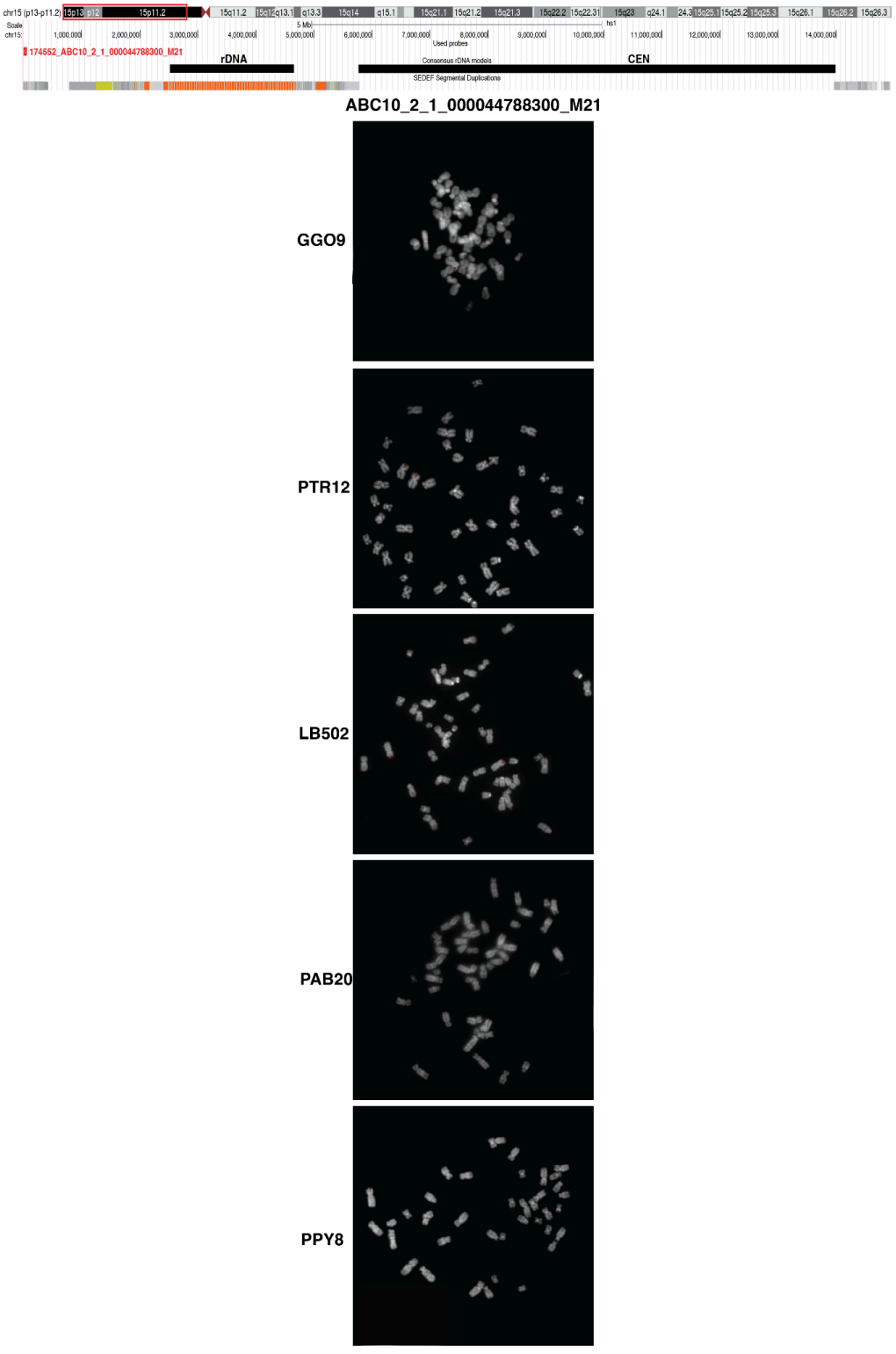


Figure S3. *FISH results of 174552_ABC10_2_1_000044788300_M21 probe on metaphase spreads for one representative individual per tested species.* The upper panel shows the mapping of the 174552_ABC10_2_1_000044788300_M21 probe against the T2T CHM13v2.0/hs1 reference genome (Nurk et al., 2022), visualized using the UCSC Genome Browser (https://genome.ucsc.edu). The lower panel shows the FISH results of the probe on metaphase spreads for one representative individual per tested species (GGO9; PTR12; LB502; PAB20; PPY8). Probe signals are pseudo-colored in red; arrows indicate the signal-bearing chromosomes.

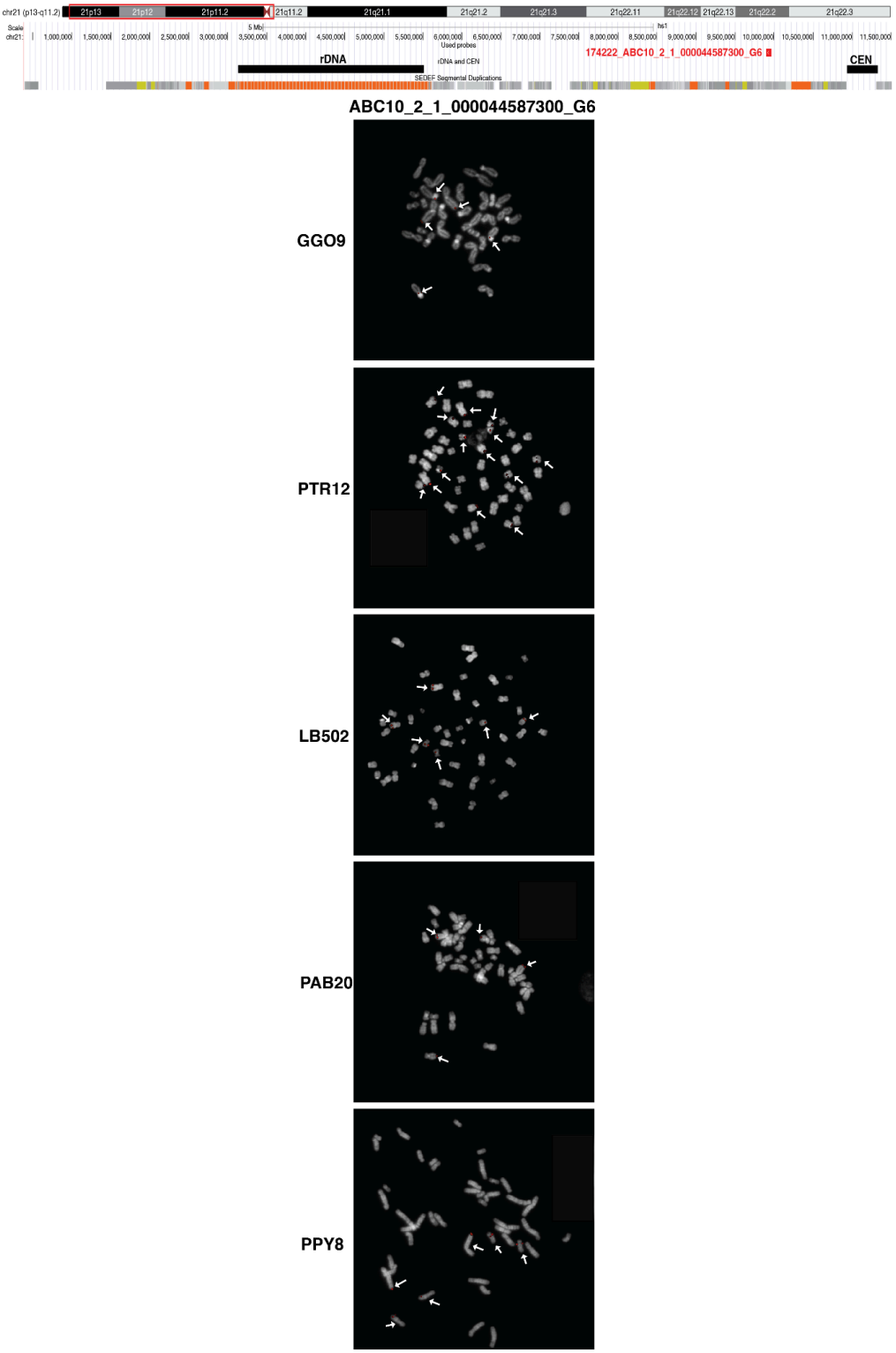


Figure S4. *FISH results of 174222_ABC10_2_1_000044587300_G6 probe on metaphase spreads for one representative individual per tested species.* The upper panel shows the mapping of the 174222_ABC10_2_1_000044587300_G6 probe against the T2T CHM13v2.0/hs1 reference genome (Nurk et al., 2022), visualized using the UCSC Genome Browser (https://genome.ucsc.edu). The lower panel shows the FISH results of the probe on metaphase spreads for one representative individual per tested species (GGO9; PTR12; LB502; PAB20; PPY8). Probe signals are pseudo-colored in red; arrows indicate the signal-bearing chromosomes.

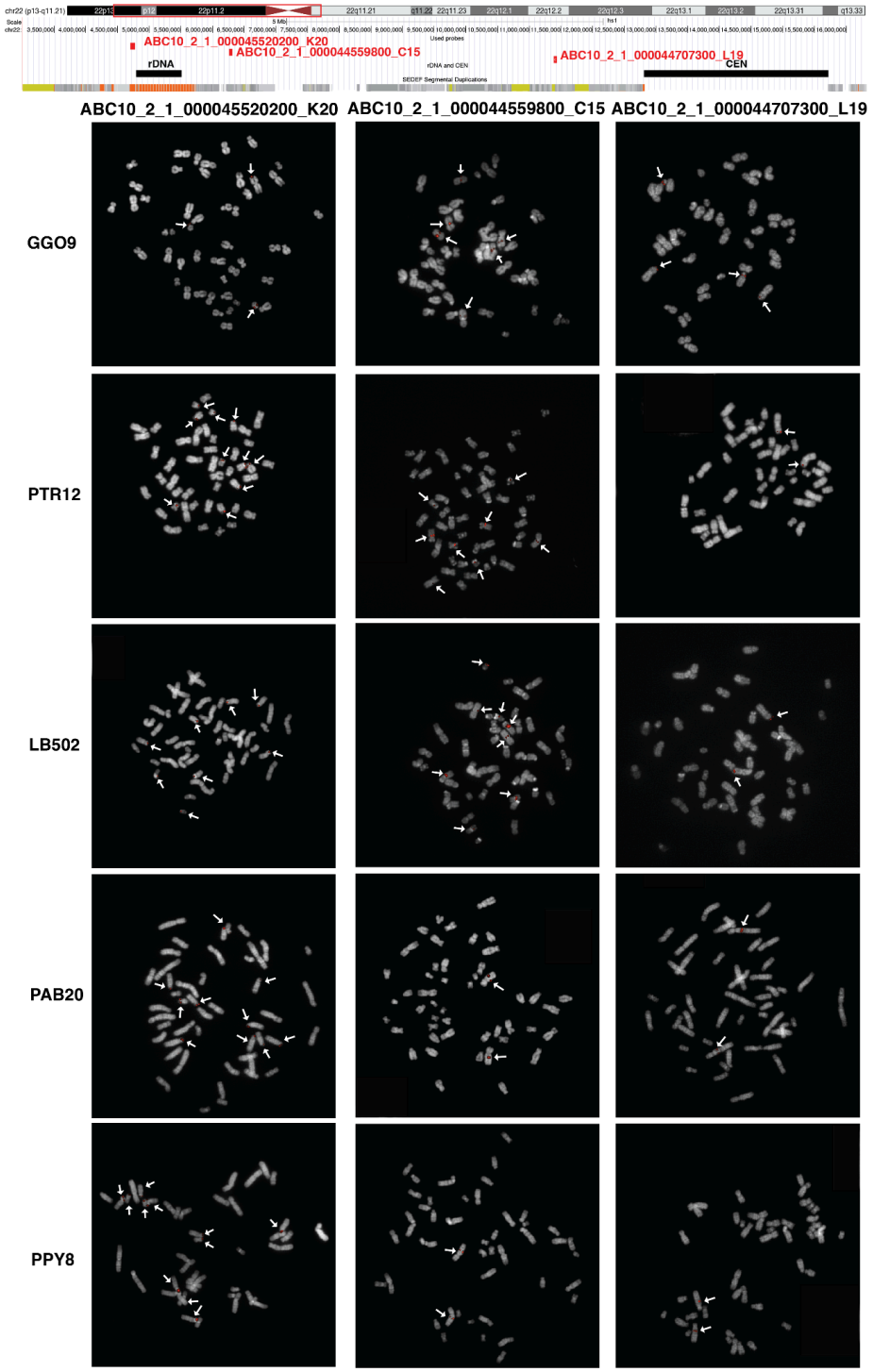


Figure S5. *FISH results of 171417_ABC10_2_1_000045520200_K20, 174222_ABC10_2_1_000044559800_C15, and 174552_ABC10_2_1_000044707300_L19 probes on metaphase spreads for one representative individual per tested species.* The upper panel shows the mapping of the 171417_ABC10_2_1_000045520200_K20, 174222_ABC10_2_1_000044559800_C15, and 174552_ABC10_2_1_000044707300_L19 probes against the T2T CHM13v2.0/hs1 reference genome (Nurk et al., 2022), visualized using the UCSC Genome Browser (https://genome.ucsc.edu). The lower panel shows the FISH results of each probe on metaphase spreads for one representative individual per tested species (GGO9; PTR12; LB502; PAB20; PPY8). Probe signals are pseudo-colored in red; arrows indicate the signal-bearing chromosomes.