

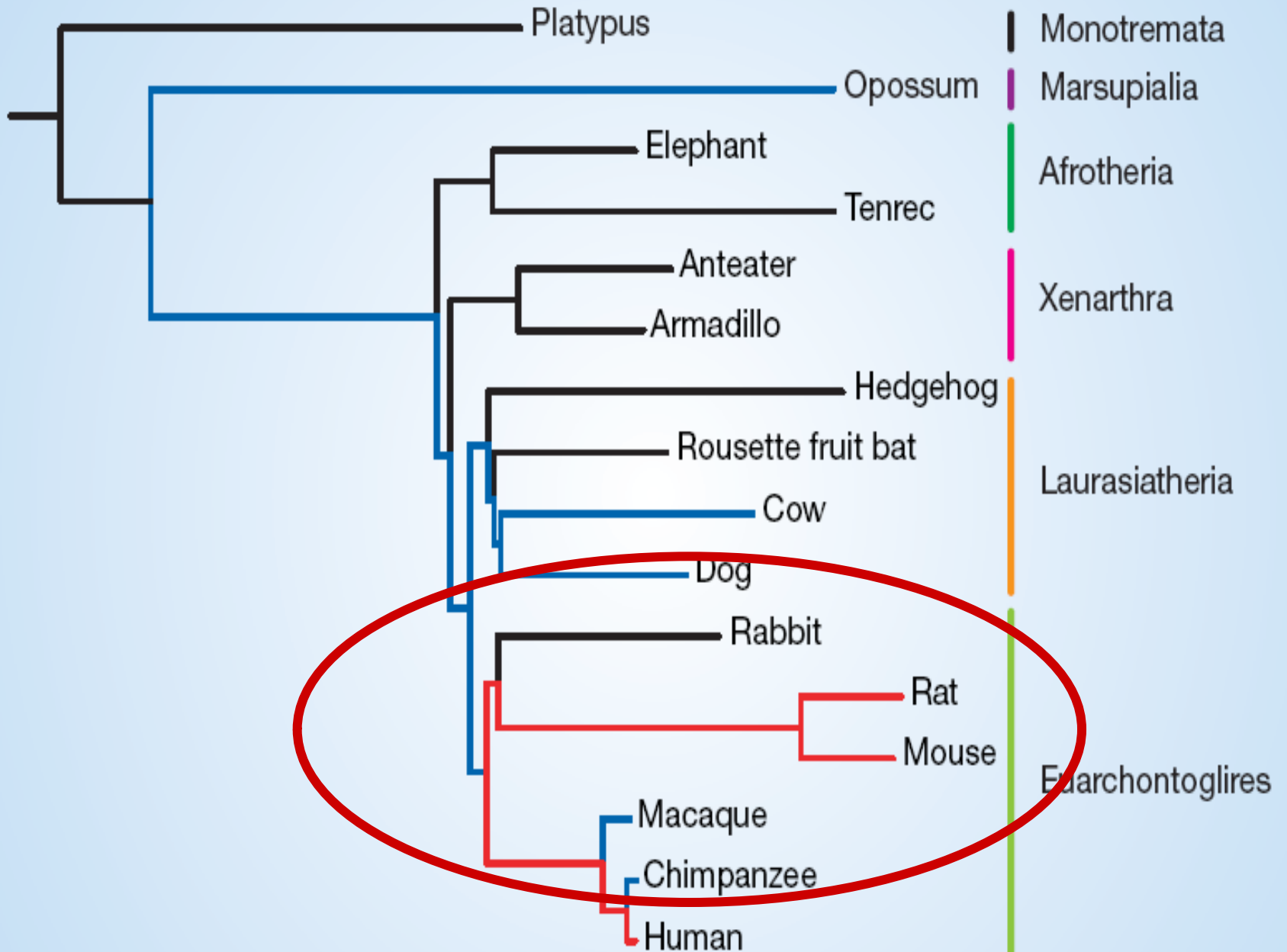
First Faculty of Medicine



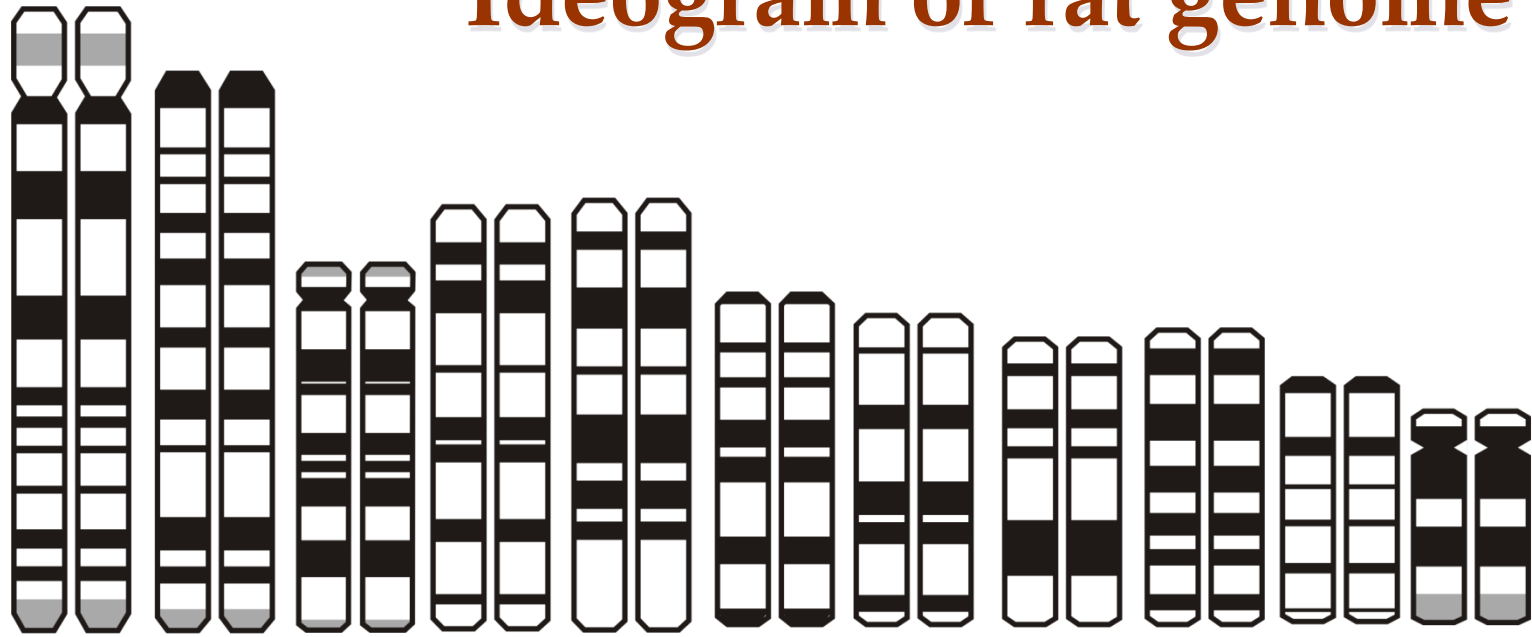
Notes: Comparative genomics

Ondřej Šeda, Lucie Šedová

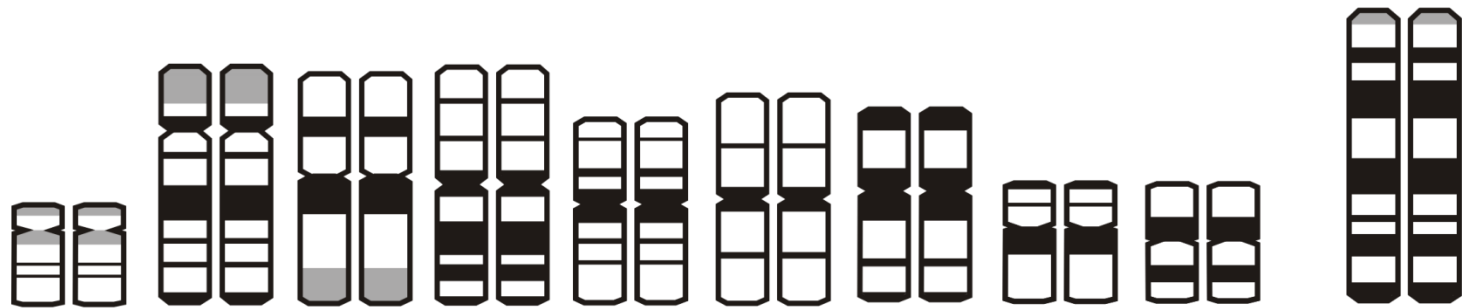
Comparative genomics



Ideogram of rat genome

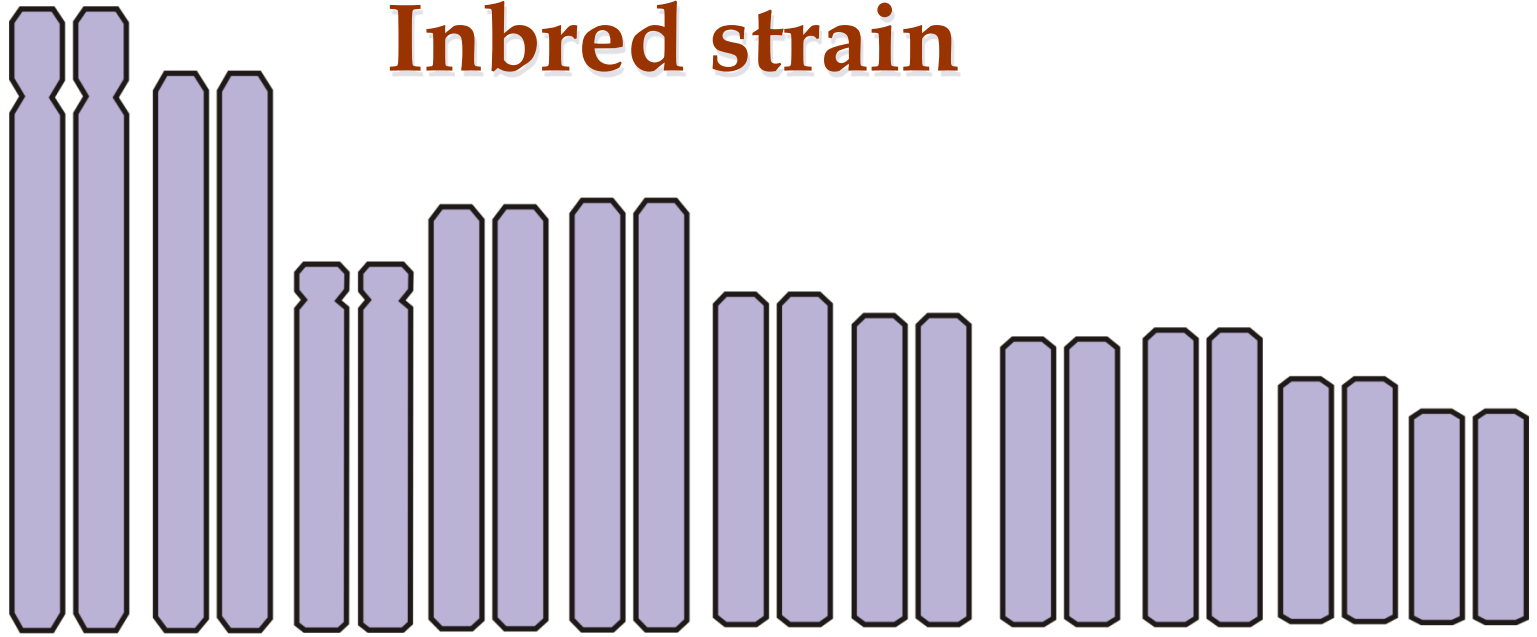


1 2 3 4 5 6 7 8 9 10 11

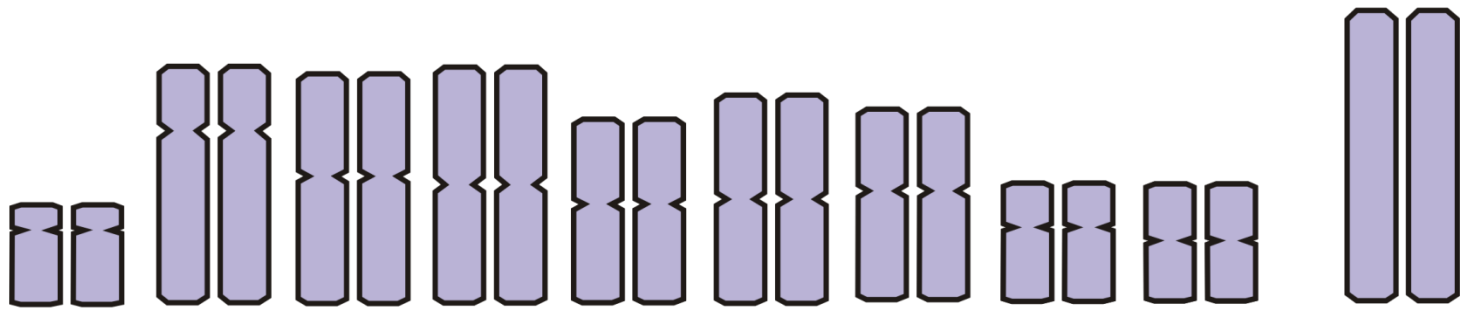


12 13 14 15 16 17 18 19 20 X

Inbred strain



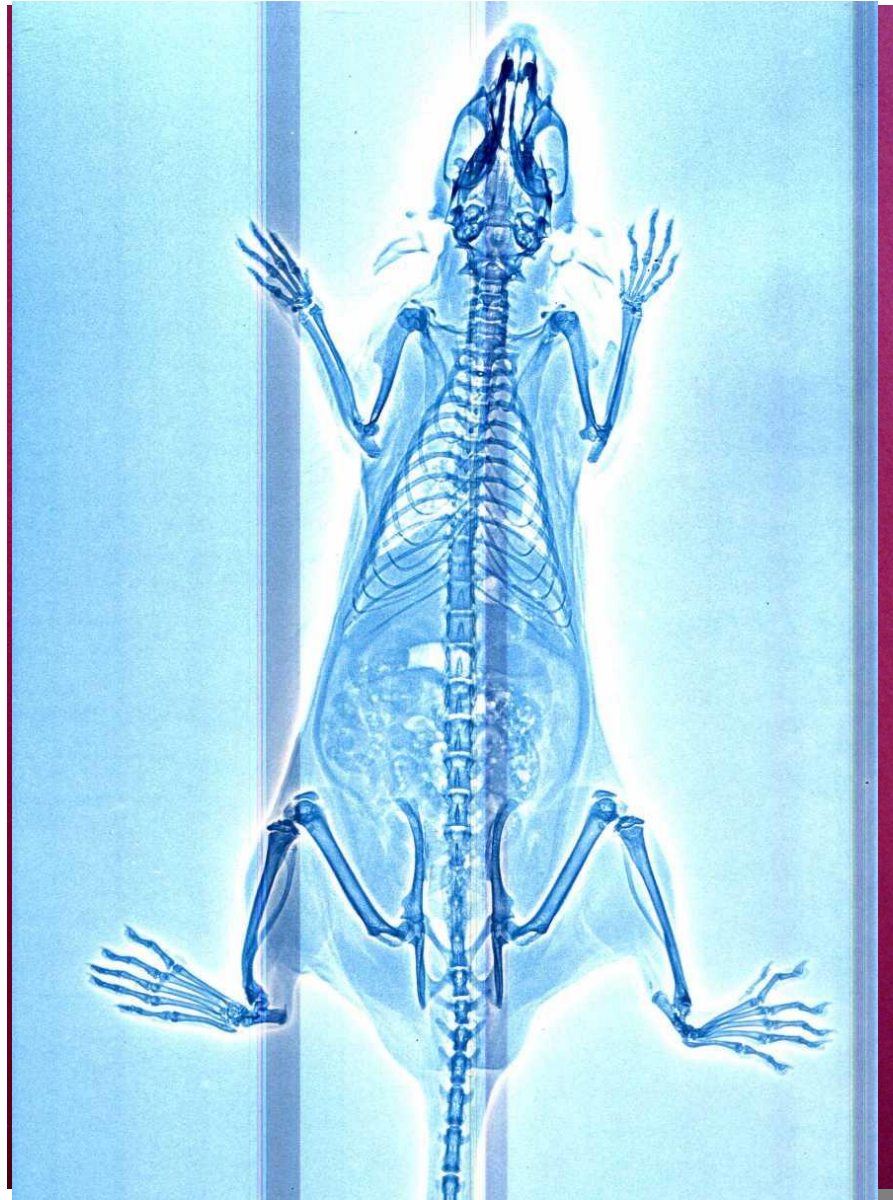
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12 13 14 15 16 17 18 19 20 X

POLYDACTYLOUS RAT STRAIN PD/Cub

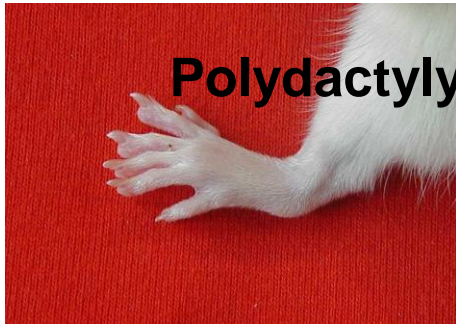
Rat Genome Database ID: 728161



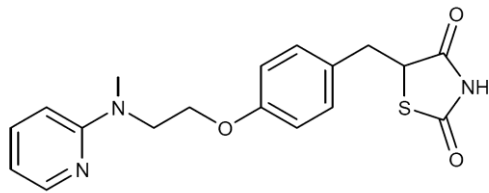
POLYDACTYLOUS RAT STRAIN PD/Cub

Rat Genome Database ID: 728161

Polydactyly-luxate syndrome – gene x teratogen interaction



Pharmacogenomics



Rosiglitazone
(Avandia)

Nutrigenomics

Epigenomics

THE METABOLIC SYNDROME



GENETIC RESOURCES

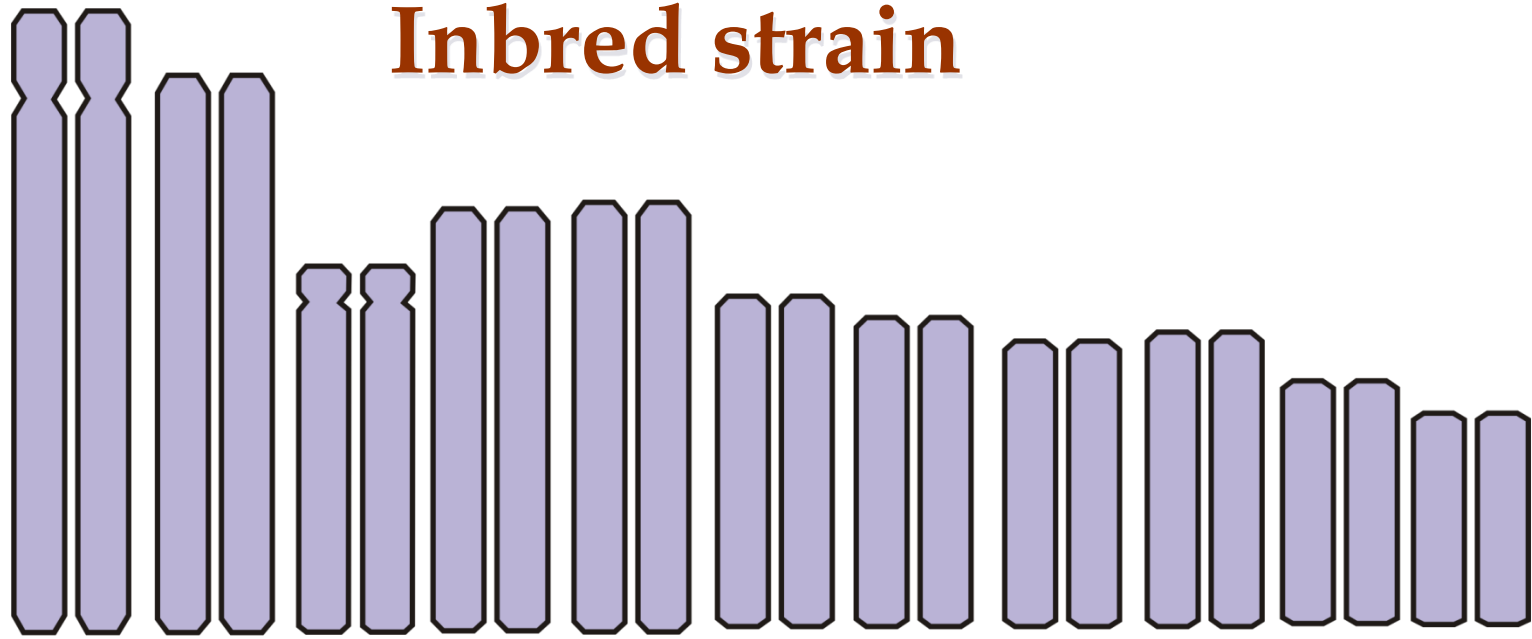
PD/Cub

CONGENIC

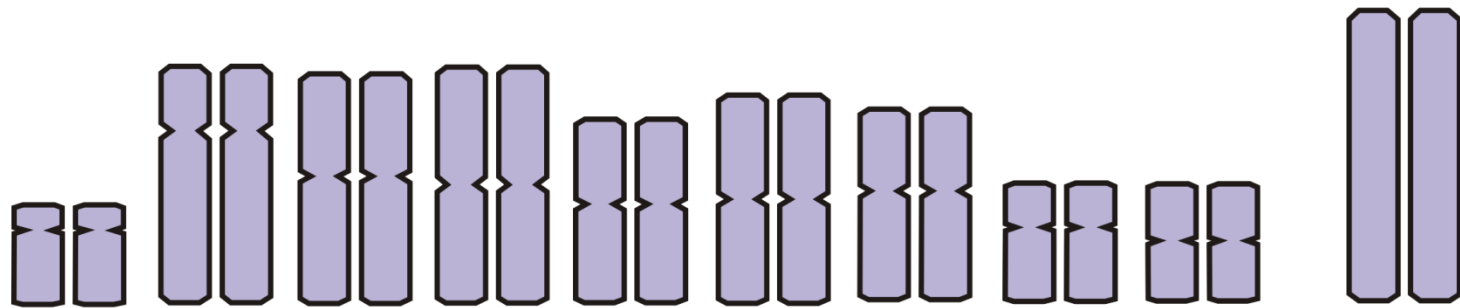
&

RI STRAINS

Inbred strain

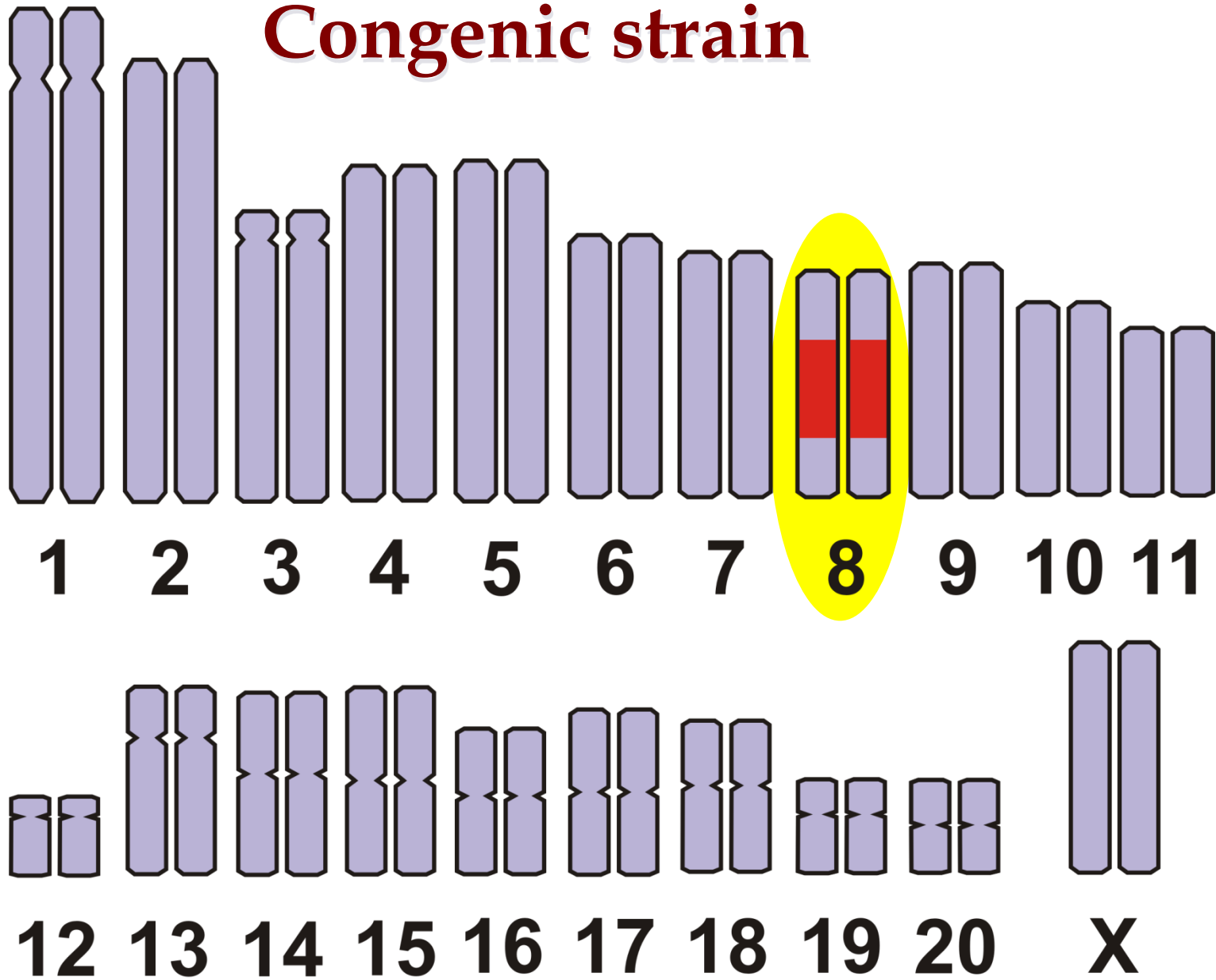


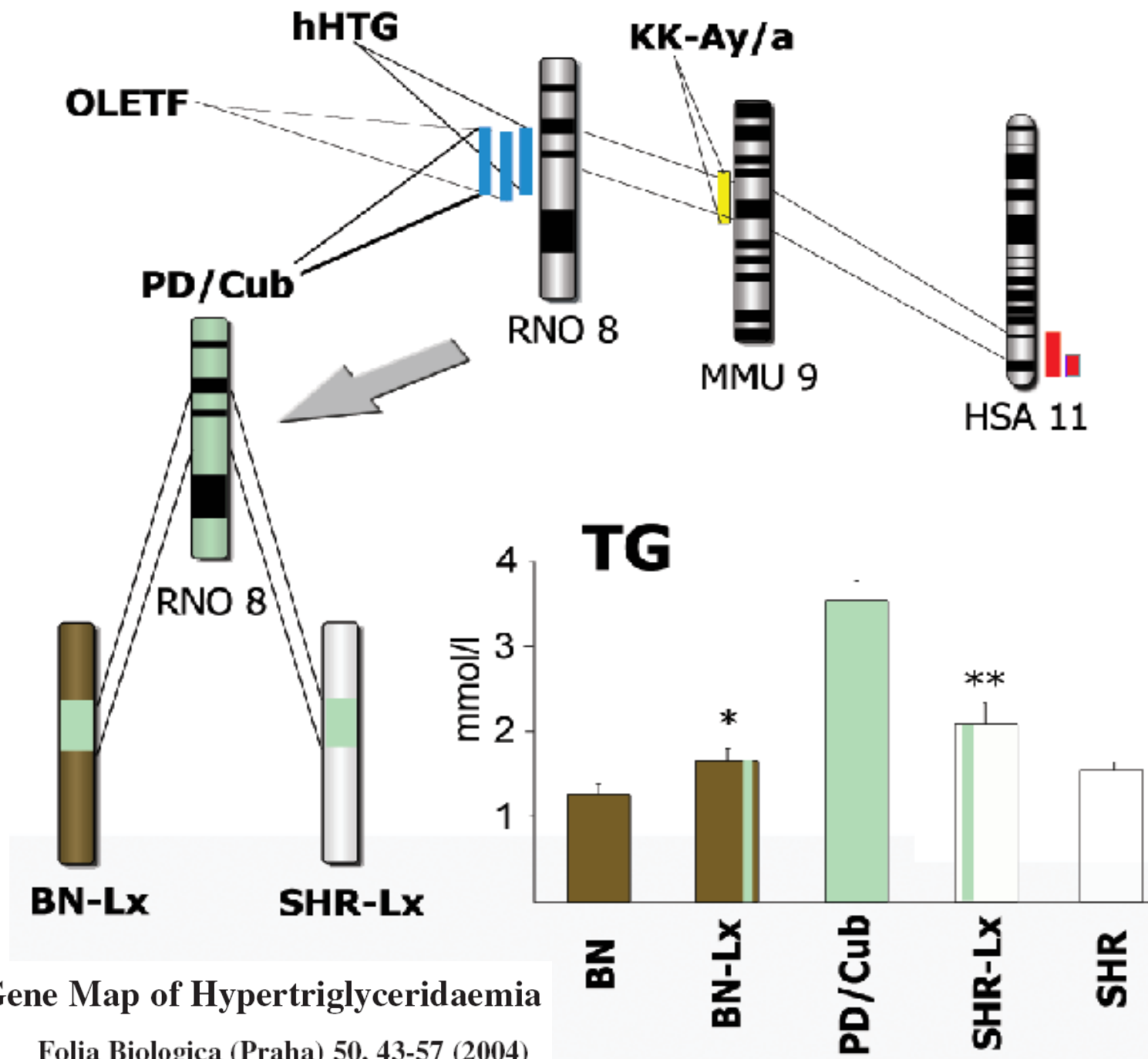
1 2 3 4 5 6 7 8 9 10 11



12 13 14 15 16 17 18 19 20 X

Congenetic strain





Comparative Gene Map of Hypertriglyceridaemia

A 14-gene Region of Rat Chromosome 8 in SHR-Derived Polydactylous Congenic Substrain Affects Muscle-Specific Insulin Resistance, Dyslipidaemia and Visceral Adiposity

O. ŠEDA^{1,2}, F. LIŠKA¹, L. ŠEDO VÁ¹, L. KAZDO VÁ², D. KŘENO VÁ¹, V. KŘEN¹

