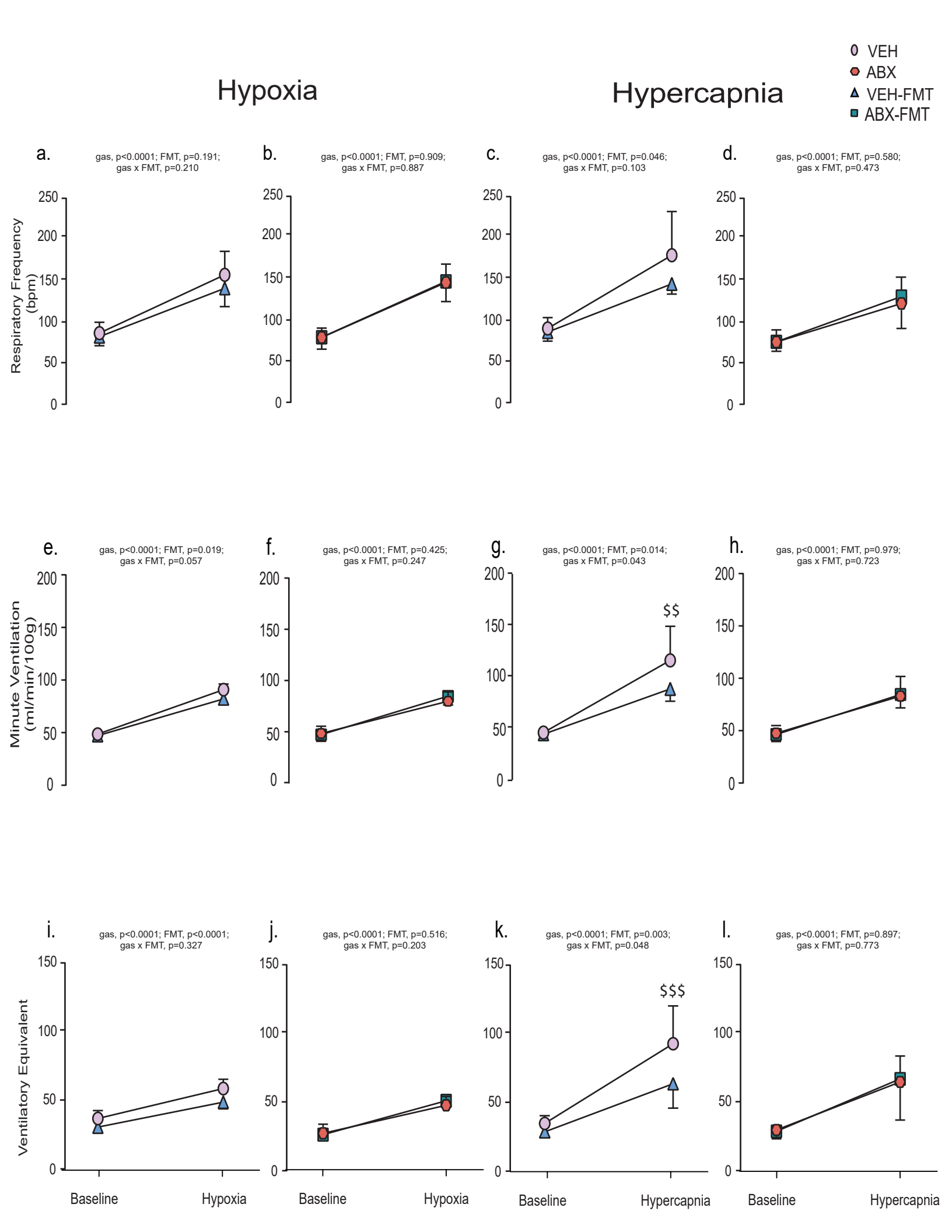
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Title	Manipulation of gut microbiota blunts the ventilatory response to hypercapnia in adult rats
Authors	O'Connor, Karen M.;Lucking, Eric F.;Golubeva, Anna V.;Strain, Conall R.;Fouhy, Fiona;Cenit, María C.;Dhaliwal, Pardeep;Bastiaanssen, Thomaz F. S.;Burns, David P.;Stanton, Catherine;Clarke, Gerard;Cryan, John F.;O'Halloran, Ken D.
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Hypoxia
Hypercapnia
VEH
ABX
VEH-FMT
ABX-FMT
a.
gas, p<0.0001; FMT, p=0.191;
gas x FMT, p=0.210
b.
gas, p<0.0001; FMT, p=0.909;
gas x FMT, p=0.887
c.
gas, p<0.0001; FMT, p=0.046;
gas x FMT, p=0.103
d.
gas, p<0.0001; FMT, p=0.580;
gas x FMT, p=0.473
Respiratory Frequency (bpm)
250
200
150
100
50
0
e.
gas, p<0.0001; FMT, p=0.019;
gas x FMT, p=0.057
f.
gas, p<0.0001; FMT, p=0.425;
gas x FMT, p=0.247
g.
gas, p<0.0001; FMT, p=0.014;
gas x FMT, p=0.043
$$
h.
gas, p<0.0001; FMT, p=0.979;
gas x FMT, p=0.723
Minute Ventilation (ml/min/100g)
200
150
100
50
0
i.
gas, p<0.0001; FMT, p<0.0001;
gas x FMT, p=0.327
j.
gas, p<0.0001; FMT, p=0.516;
gas x FMT, p=0.203
k.
gas, p<0.0001; FMT, p=0.003;
gas x FMT, p=0.048
$$$
l.
gas, p<0.0001; FMT, p=0.897;
gas x FMT, p=0.773
Ventilatory Equivalent
150
100
50
0
Baseline
Hypoxia
Baseline
Hypoxia
Baseline
Hypercapnia
Baseline
Hypercapnia