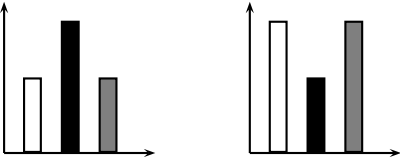
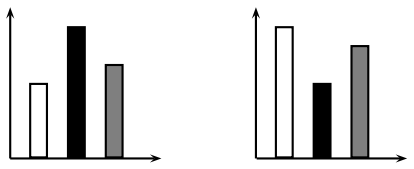
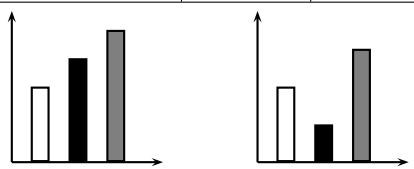
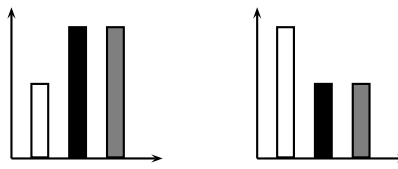


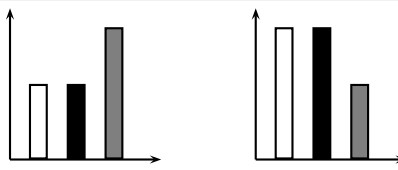
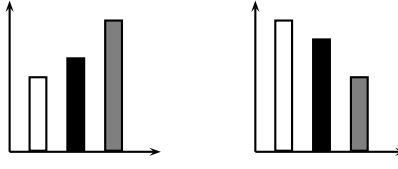
<p>Group A</p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/ WR Mice</p> <p>Genes up- or down-regulated by the high-fat diet and normalized to control levels by fasting/ weight reduction.</p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/ WR Mice	Biological Role
<i>Crym</i>	NM_ 016669	100%	69%	120%	μ -Crystallin
<i>Cyp2c37</i>	NM_ 010001	100%	30%	95%	Cytochrome P450
<i>Eva</i>	BC015076	100%	162%	119%	Epithelial V-like Antigen
<i>Kcnk8</i>	NM_ 010609	100%	38%	77%	Potassium Channel
<i>Ndph</i>	NM_ 010883	100%	164%	81%	Neuron Function
<i>Pmm1</i>	AK004631	100%	46%	87%	Protein Secretion
<i>Serpina5</i>	NM_ 008785	100%	171%	107%	Serine Protease Inhibitor
<i>Sh3kbp1</i>	AK004636	100%	241%	107%	Signaling
<i>1110034G24Rik</i>	AK004090	100%	45%	80%	Unknown
<i>1700019L13Rik</i>	AK006130	100%	55%	114%	Unknown
<i>4930442L21Rik</i>	NM_ 026253	100%	220%	116%	Unknown
<i>4930579D07Rik</i>	AK016314	100%	42%	72%	Unknown
<i>4932422M17Rik</i>	AK016534	100%	72%	140%	Unknown

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<p><i>Group B</i></p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/WR Mice</p> <p><i>Genes up- or down-regulated by the high-fat diet and partially normalized to control levels by fasting/ weight reduction.</i></p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/WR Mice	Biological Role
<i>Eif4a2</i>	NM_013506	100%	37%	58%	Translation
<i>Fshβ-like EST</i>	AK017593	100%	40%	80%	Hormone
<i>Mup4</i>	NM_008648	100%	38%	64%	Secreted Protein
<i>PTP4a2</i>	NM_008974	100%	71%	89%	Signaling
<i>RGS3</i>	AF350047	100%	35%	54%	Signaling
<i>Tcam1</i>	NM_029467	100%	49%	73%	Adhesion Molecule
<p><i>Group C</i></p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/WR Mice</p> <p><i>Genes up-regulated by high-fat diet and fasting/ weight reduction, or genes down-regulated by high-fat diet and up-regulated by fasting/ weight reduction.</i></p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/WR Mice	Biological Role
<i>1500004A08Rik</i>	AK005141	100%	149%	239%	Unknown
<i>2300009A05Rik</i>	AK009046	100%	79%	159%	Unknown
<i>2810055C24Rik</i>	AK012951	100%	64%	127%	Protein Degradation
<i>continued on next page</i>					

<p><i>Group D</i></p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/ WR Mice</p> <p><i>Genes up- or down-regulated by the high-fat diet and fasting/ weight reduction.</i></p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/ WR Mice	Biological Role
<i>Bmp2</i>	NM_007553	100%	153%	210%	Development
<i>Copz2</i>	NM_019877	100%	266%	521%	Vesicle Trafficking
<i>Fosb</i>	NM_008036	100%	231%	297%	Signalling
<i>Gabrr1</i>	NM_008075	100%	245%	361%	Receptor
<i>Has3</i>	NM_008217	100%	37%	49%	Hyaluronan Synthesis
<i>IL6st</i>	NM_010560	100%	154%	144%	Signalling
<i>Rab3c</i>	NM_023852	100%	160%	260%	Exocytosis
<i>Ttr</i>	NM_013697	100%	63%	44%	Hormone Transport
<i>1110007C24Rik</i>	AK014449	100%	255%	459%	Unknown
<i>2700062B08Rik</i>	NM_029838	100%	266%	405%	Putative Collagen-like (CLAC)
<i>3110004A18Rik</i>	AK013988	100%	258%	463%	Unknown
<i>4833414G15Rik</i>	AK019515	100%	162%	257%	Putative Phosphatase
<i>4933432M07Rik</i>	AK017027	100%	223%	191%	Protein Degradation
<i>5730458M16Rik</i>	AK017674	100%	200%	235%	Unknown

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<p><i>Group E</i></p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/ WR Mice</p> <p><i>Genes up- or down-regulated by fasting/ weight reduction.</i></p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/ WR Mice	Biological Role
<i>Ctrl</i>	NM_023182	100%	121%	327%	Protein Metabolism
<i>Resp18</i>	NM_009049	100%	88%	54%	Hormone Secretion
<i>Snrpg</i>	NM_026506	100%	89%	199%	Translation
<i>2310034L21Rik</i>	NM_025631	100%	123%	225%	Unknown
<p><i>Group F</i></p>  <p>White Bars = Control Mice Black Bars = High-Fat Mice Gray Bars = F/ WR Mice</p> <p><i>Genes up- or down-regulated by high-fat diet and fasting/ weight reduction.</i></p>					
Gene Name	GenBank #	Control Mice	High-Fat Mice	F/ WR Mice	Biological Role
<i>1700095D18Rik</i>	AK007076	100%	158%	293%	RNA-binding Region