

SUPP Table 1: List of HIF signaling pathway members, their location in the mallard genome (ENSEMBL), including the number of probes/baits designed for each gene (MYcroarray).

Gene Name	Location in Duck Genome (ENSEMBL)	begin	end	total length	# Probes
<u>ACE</u>	<u>Scaffold KB744725.1: 386,729-403,257</u>	386729	403257	16528	23
<u>ACE2</u>	<u>Scaffold KB742701.1: 1,766,330-1,789,804</u>	1766330	1789804	23474	-
<u>ANGPT1</u>	<u>Scaffold KB743875.1: 238,671-419,023</u>	238671	419023	180352	447
<u>ANGPT2</u>	<u>Scaffold KB742406.1: 1,290,414-1,334,615</u>	1290414	1334615	44201	78
<u>ARNT</u>	<u>Scaffold KB744049.1: 20,467-38,811</u>	20467	38811	18344	13
<u>ARNT2</u>	<u>Scaffold KB744113.1: 278,897-358,152</u>	278897	358152	79255	81
<u>ARNTL</u>	<u>Scaffold KB744206.1: 57,975-84,046</u>	57975	84046	26071	30
<u>CLOCK</u>	<u>Scaffold KB742619.1: 827,048-854,490</u>	827048	854490	27442	29
<u>CUL2</u>	<u>Scaffold KB742539.1: 2,267,987-2,311,340</u>	2267987	2311340	43353	36
<u>EDN1</u>	<u>Scaffold KB743575.1: 623,460-625,674</u>	623460	625674	2214	-
<u>EGLN1</u>	<u>Scaffold KB743594.1: 39,865-71,284</u>	39865	71284	31419	52
<u>EGLN3</u>	<u>Scaffold KB743383.1: 66,183-90,875</u>	66183	90875	24692	25
<u>EPAS1/HIF2a</u>	<u>Scaffold KB742444.1: 734,232-772,478</u>	734232	772478	38246	64
<u>FIH/HIF1AN</u>	<u>Scaffold KB743728.1: 852,333-858,443</u>	852333	858443	6110	-
<u>HIF1A</u>	<u>Scaffold KB745078.1: 277,272-293,388</u>	277272	293388	16116	7
<u>HSP90AA1</u>	<u>Scaffold KB743197.1: 687,101-694,368</u>	687101	694368	7267	7
<u>MTOR</u>	<u>Scaffold KB743246.1: 258,381-322,791</u>	258381	322791	64410	45
<u>NOS1</u>	<u>Scaffold KB744108.1: 141,687-174,300</u>	141687	174300	32613	4
<u>NOS2</u>	<u>Scaffold KB743217.1: 377,684-396,078</u>	377684	396078	18394	13
<u>P4HA1</u>	<u>Scaffold KB744430.1: 583,757-609,851</u>	583757	609851	26094	31
<u>P4HA2</u>	<u>Scaffold KB743591.1: 85,973-106,217</u>	85973	106217	20244	11
<u>P4HA3</u>	<u>Scaffold KB744216.1: 262,001-267,897</u>	262001	267897	5896	5
<u>PDHA1</u>	<u>Scaffold KB742701.1: 132,835-143,350</u>	132835	143350	10515	16
<u>PDHB</u>	<u>Scaffold KB744074.1: 915,372-919,000</u>	915372	919000	3628	-
<u>PPARA (alpha)</u>	<u>Scaffold KB742459.1: 937,145-969,765</u>	937145	969765	32620	47
<u>PPARD (delta)</u>	<u>Scaffold KB743510.1: 216,148-220,291</u>	216148	220291	4143	2
<u>PPARG (gamma)</u>	<u>Scaffold KB742679.1: 37,634-61,994</u>	37634	61994	24360	34
<u>TCEB3</u>	<u>Scaffold KB742637.1: 387,311-394,427</u>	387311	394427	7116	3
<u>THPO</u>	<u>Scaffold KB743359.1: 685,580-686,504</u>	685580	686504	924	-
<u>THRB</u>	<u>Scaffold KB744720.1: 282,100-308,664</u>	282100	308664	26564	44
<u>VEGF</u>	<u>Scaffold KB742809.1: 508,129-521,531</u>	508129	521531	13402	34