

Figure S1 Compared with the stage I, the biological process and pathways enriched in stage III and IV.

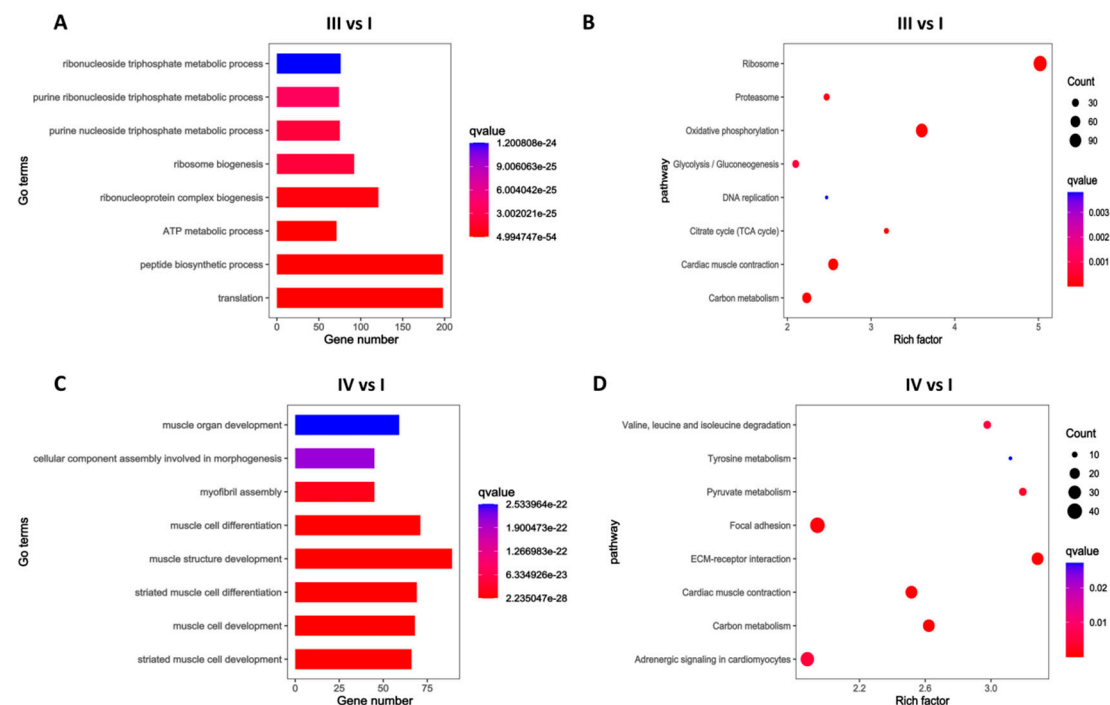


Table S1 WGCNA analysis of 54 highly connected genes in the turquoise module.

Hub-genes				
nusap1	pank2	ccdc102a	znf710b	brms11a
cnot4a	mynn	si:dkey-42i9.4	ormdl1	pknox1.1
pdc4a	fbxo44	lsp1	zmym2	nuak1b
crkl	tbx1	mtus1b	mpped2	phf3
meal	Id1	kIF2A	prickle1b	smad6a
svila	Phc2a	kdm5ba	cnot10	tgif1
cnot2	btbd10a	atf7ip	cnp	ptena
arl3	mctp2b	fbxo25	znf839	efs
apba3	entpd5b	il17rd	igfbp3	cabz01069339.1
si:ch211-154o6.3	Lrp6	tl1n	msx2b	znf644a
slcla3a	kirrel3l	psd3l	si:ch211-155e24.3	

Table S2 Based on the results of WGCNA and transcriptome analysis, the FPKM values of 21 candidate genes related to zebrafish scale development were identified.

Gene ID	Gene name	FPKM										
		I-1	I-2	II-1	II-2	II-3	III-1	III-2	III-3	IV-1	IV-2	IV-3
ENSDARG000000075598	Scpp6	0	0	775.12	569.61	343.64	156.32	313.29	0.695	0.269	0	0
				2	9	7	4	6				3
ENSDARG000000074132	Scpp7	2.133	3.853	16515.	14804.	9732.3	7428.8	11736.	44.813	24.776	10.022	10.07
				5	8	9	7	3				9
ENSDARG000000078622	Scpp5	0.674	0.374	20.193	13.524	11.400	6.203	12.204	0.325	0	0.220	3.270
ENSDARG000000093124	Scpp8	0.750	0.250	11.230	13.445	8.611	4.673	5.950	1.841	1.241	1.664	0
ENSDARG000000038672	tcf7	1.030	2.106	97.587	90.286	73.205	50.817	51.636	4.804	2.560	0.572	0
ENSDARG000000090394	Timp4.1	0.050	0.028	25.065	24.350	4.162	2.738	6.381	2.628	1.590	0.662	0
ENSDARG000000011190	fgfr1b	0.215	0.572	15.328	13.790	5.716	3.962	8.180	0	0.680	0.542	0
ENSDARG000000004782	fgfr3	0.081	0.561	9.813	9.096	9.516	3.620	4.665	3.624	2.390	0.643	0
ENSDARG000000059233	runx2b	0.102	0.256	11.680	10.782	8.066	4.332	6.631	18.782	14.466	8.497	0
ENSDARG000000040925	wnt10b	0	0.295	10.189	9.654	5.703	6.663	6.667	0.686	0.200	0	0
ENSDARG000000075720	il2rb	0.035	0.329	11.014	8.411	7.090	6.044	5.231	6.204	1.205	0.116	0
ENSDARG000000075172	fbxo25	1.668	1.088	26.60	20.826	14.921	7.508	9.362	9.951	5.632	3.050	4.764
ENSDARG000000000000	tgif1	20.506	12.958	52.347	44.733	49.663	25.093	25.136	15.304	18.625	18.760	8.810

[illegible]