

Table 1: Area under ROC curves up to 25, 50, 100 and 200 false positives standardized so that optimum is 1000 and rounded to nearest integer value. Results are based on RMA pre-processed data. Numbers within parenthesis are within data set rank for the compared methods. Methods are ordered with respect to mean rank across data sets for AUC up to 100.

Affymetrix U95A					Affymetrix 133A					Golden spike				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
PLW	940(1)	952(1)	961(1)	968(1)	PLW	905(5)	922(5)	933(6)	942(6)	PLW	349(1)	387(1)	419(1)	446(1)
LMW	939(2)	951(2)	958(2)	965(2)	LMW	911(1)	928(1)	939(1)	946(1)	LMW	289(5)	323(5)	359(5)	402(5)
LPE	920(5)	935(6)	945(7)	953(7)	LPE	894(11)	913(11)	925(11)	935(11)	LPE	326(2)	368(2)	404(2)	437(2)
combined-p	916(7)	936(5)	949(4)	963(3)	combined-p	890(12)	910(12)	922(12)	936(10)	combined-p	307(4)	354(4)	392(3)	426(4)
WAME	924(4)	938(4)	949(5)	959(4)	WAME	908(2)	926(2)	937(2)	932(12)	WAME	250(7)	292(7)	333(7)	429(3)
median-t	932(3)	945(3)	955(3)	957(5)	median-t	899(8)	916(9)	927(10)	945(2)	median-t	310(3)	357(3)	392(4)	379(6)
IBMT	913(9)	932(9)	945(6)	955(6)	IBMT	907(3)	925(3)	936(3)	943(4)	IBMT	269(6)	305(6)	339(6)	378(7)
Efron-t	918(6)	933(7)	944(8)	953(8)	Efron-t	906(4)	924(4)	935(4)	944(3)	Efron-t	248(8)	285(8)	324(8)	364(9)
FC	886(12)	907(12)	923(12)	936(12)	FC	902(7)	921(7)	934(5)	943(5)	FC	194(12)	243(12)	292(12)	343(12)
LIMMA	916(8)	932(8)	944(9)	953(9)	LIMMA	903(6)	921(6)	933(7)	942(7)	LIMMA	244(9)	284(9)	323(9)	364(8)
SAM	912(10)	929(10)	941(10)	951(10)	SAM	898(9)	918(8)	930(8)	940(8)	SAM	223(11)	272(11)	316(11)	360(10)
Shrink-t	908(11)	926(11)	939(11)	950(11)	Shrink-t	895(10)	916(10)	928(9)	938(9)	Shrink-t	242(10)	281(10)	319(10)	359(11)
t-test	746(13)	805(13)	852(13)	891(13)	t-test	780(13)	826(13)	861(13)	888(13)	t-test	108(13)	157(13)	210(13)	272(13)

Gene Logic Tonsil					Gene Logic AML				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
PLW	841(1)	859(1)	873(1)	882(1)	PLW	819(1)	839(1)	857(1)	871(1)
LMW	806(3)	823(3)	838(3)	853(3)	LMW	764(5)	788(5)	805(5)	820(4)
LPE	811(2)	828(2)	843(2)	855(2)	LPE	813(2)	833(2)	849(2)	862(2)
combined-p	795(4)	817(4)	832(4)	834(6)	combined-p	765(4)	790(4)	806(4)	814(6)
WAME	778(6)	794(7)	807(7)	843(5)	WAME	734(8)	760(8)	783(8)	817(5)
median-t	789(5)	806(5)	820(6)	824(7)	median-t	761(6)	784(6)	801(6)	804(7)
IBMT	748(9)	764(9)	779(9)	793(9)	IBMT	721(9)	744(9)	762(9)	779(9)
Efron-t	762(8)	776(8)	791(8)	808(8)	Efron-t	749(7)	770(7)	786(7)	798(8)
FC	767(7)	800(6)	828(5)	851(4)	FC	808(3)	830(3)	846(3)	860(3)
LIMMA	727(10)	747(10)	763(10)	778(10)	LIMMA	712(10)	734(10)	754(10)	772(10)
SAM	692(12)	718(12)	741(12)	763(12)	SAM	677(12)	711(11)	737(11)	759(11)
Shrink-t	708(11)	730(11)	748(11)	766(11)	Shrink-t	684(11)	706(12)	727(12)	746(12)
t-test	456(13)	513(13)	567(13)	621(13)	t-test	403(13)	465(13)	524(13)	580(13)

Table 2: Area under ROC curves up to 25, 50, 100 and 200 false positives standardized so that optimum is 1000 and rounded to nearest integer value. Results are based on GCRMA pre-processed data. Numbers within parenthesis are within data set rank for the compared methods. Methods are ordered with respect to mean rank across data sets for AUC up to 100.

Affymetrix U95A					Affymetrix 133A					Golden spike				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
PLW	947(1)	958(1)	965(1)	971(1)	PLW	891(8)	910(8)	922(8)	931(8)	PLW	443(1)	497(1)	537(1)	575(1)
LMW	929(3)	942(3)	952(3)	961(4)	LMW	901(1)	920(1)	931(1)	939(1)	LMW	395(3)	451(4)	497(5)	538(5)
median-t	941(2)	954(2)	963(2)	970(2)	median-t	882(10)	903(10)	917(10)	927(10)	median-t	383(4)	453(3)	502(2)	541(4)
IBMT	920(5)	936(5)	950(5)	960(5)	IBMT	897(2)	893(12)	908(12)	919(12)	IBMT	365(6)	449(5)	498(4)	542(2)
combined-p	916(6)	934(6)	946(6)	956(6)	combined-p	868(12)	895(11)	910(11)	921(11)	combined-p	381(5)	458(2)	500(3)	542(3)
LPE	920(4)	938(4)	952(4)	962(3)	LPE	875(11)	917(2)	929(2)	937(3)	LPE	410(2)	421(6)	468(6)	514(6)
Efron-t	914(8)	929(7)	942(7)	953(7)	Efron-t	894(4)	915(4)	928(4)	937(4)	Efron-t	250(8)	316(8)	373(8)	433(10)
WAME	915(7)	929(8)	941(10)	952(10)	WAME	896(3)	917(3)	929(3)	938(2)	WAME	260(7)	328(7)	388(7)	450(7)
FC	895(12)	913(12)	928(12)	940(12)	FC	891(7)	912(7)	926(7)	935(7)	FC	205(12)	250(12)	297(13)	355(13)
LIMMA	913(9)	929(9)	941(9)	952(9)	LIMMA	892(5)	914(5)	927(5)	936(5)	LIMMA	246(9)	314(9)	372(9)	434(8)
SAM	911(10)	928(10)	941(8)	953(8)	SAM	892(6)	913(6)	927(6)	936(6)	SAM	219(11)	291(11)	363(11)	432(11)
Shrink-t	907(11)	925(11)	940(11)	952(11)	Shrink-t	883(9)	905(9)	920(9)	931(9)	Shrink-t	227(10)	298(10)	367(10)	434(9)
t-test	768(13)	821(13)	864(13)	900(13)	t-test	748(13)	803(13)	843(13)	872(13)	t-test	151(13)	212(13)	298(12)	383(12)

Gene Logic Tonsil					Gene Logic AML				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
PLW	836(1)	853(1)	866(1)	877(1)	PLW	837(1)	857(1)	873(1)	887(1)
LMW	809(3)	823(3)	836(3)	849(3)	LMW	738(7)	769(7)	793(6)	810(6)
median-t	807(4)	821(4)	832(4)	843(4)	median-t	774(4)	796(5)	812(5)	830(4)
IBMT	774(9)	842(2)	857(2)	870(2)	IBMT	705(8)	797(4)	813(4)	825(5)
combined-p	822(2)	809(6)	825(6)	838(6)	combined-p	770(5)	848(2)	861(2)	870(3)
LPE	789(6)	791(9)	806(9)	820(9)	LPE	830(2)	736(8)	757(8)	775(10)
Efron-t	780(7)	798(7)	815(7)	828(7)	Efron-t	749(6)	773(6)	790(7)	805(7)
WAME	798(5)	814(5)	827(5)	841(5)	WAME	690(10)	727(10)	754(10)	777(9)
FC	776(8)	792(8)	810(8)	826(8)	FC	826(3)	846(3)	860(3)	874(2)
LIMMA	761(10)	780(10)	798(10)	814(10)	LIMMA	675(11)	708(11)	733(11)	753(11)
SAM	748(11)	770(11)	787(11)	807(11)	SAM	698(9)	731(9)	757(9)	777(8)
Shrink-t	745(12)	762(12)	781(12)	799(12)	Shrink-t	642(12)	675(12)	705(12)	728(12)
t-test	528(13)	589(13)	644(13)	693(13)	t-test	431(13)	485(13)	530(13)	578(13)

Table 3: Area under ROC curves up to 25, 50, 100 and 200 false positives standardized so that optimum is 1000 and rounded to nearest integer value. Results are based on MAS5 expression indexes, (upper parts of sub-tables) together with results for BGX, logit-t, and PPLR (lower part of sub-tables). The last three all have their own pre-processing of PM and MM probe intensities, PPLR was applied to multi-mgMOS probe set summaries. Numbers within parenthesis are within data set rank for the compared methods, and methods are ordered with respect to mean rank across data sets for AUC up to 100 (Within MAS5 based results only). The results for BGX from the Gene Logic AML data set in *italic* is based on a subset of 1011 probe sets only.

Affymetrix U95A					Affymetrix 133A					Golden spike				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
LMW	830(1)	862(1)	887(1)	910(1)	LMW	823(1)	851(1)	872(1)	889(1)	LMW	478(1)	549(1)	602(1)	647(1)
IBMT	810(2)	844(2)	870(2)	894(2)	IBMT	818(2)	848(2)	869(2)	886(2)	IBMT	463(2)	531(2)	586(2)	632(2)
LPE	762(3)	805(3)	836(3)	861(3)	LPE	774(3)	814(3)	843(3)	864(3)	LPE	434(3)	505(3)	569(3)	620(3)
WAME	587(5)	653(6)	712(6)	766(6)	WAME	699(5)	761(5)	808(5)	844(5)	WAME	165(5)	258(5)	342(5)	423(5)
SAM	610(4)	678(4)	737(4)	790(5)	SAM	708(4)	767(4)	812(4)	846(4)	SAM	17(8)	51(8)	110(8)	182(8)
LIMMA	584(7)	651(7)	708(7)	763(7)	LIMMA	694(6)	758(6)	805(6)	842(6)	LIMMA	143(6)	230(6)	311(6)	394(6)
Shrink-t	583(8)	649(8)	706(8)	760(8)	Shrink-t	685(7)	753(7)	802(7)	840(7)	Shrink-t	83(7)	150(7)	226(7)	314(7)
t-test	585(6)	665(5)	733(5)	791(4)	t-test	638(8)	702(8)	755(8)	801(8)	t-test	178(4)	284(4)	394(4)	485(4)
Efron-t	540(9)	599(9)	648(9)	690(9)	Efron-t	585(9)	666(9)	724(9)	769(9)	Efron-t	2(9)	8(9)	31(9)	88(9)
FC	454(10)	509(10)	556(10)	599(10)	FC	460(10)	545(10)	608(10)	660(10)	FC	0(10)	0(10)	1(10)	1(10)
BGX	-	-	-	-	BGX	-	-	-	-	BGX	414	513	582	636
logit-T	912	928	940	949	logit-T	890	908	920	928	logit-T	-	-	-	-
PPLR	826	857	880	899	PPLR	853	883	905	919	PPLR	486	572	635	688

Gene Logic Tonsil					Gene Logic AML				
Method	25 FP	50 FP	100 FP	200 FP	Method	25 FP	50 FP	100 FP	200 FP
LMW	758(1)	777(1)	791(1)	805(1)	LMW	636(2)	675(2)	703(2)	735(2)
IBMT	745(3)	762(3)	775(3)	786(3)	IBMT	622(3)	660(3)	694(3)	726(3)
LPE	749(2)	768(2)	781(2)	794(2)	LPE	753(1)	773(1)	793(1)	812(1)
WAME	591(4)	641(4)	688(4)	725(4)	WAME	432(8)	490(8)	540(8)	588(7)
SAM	583(6)	633(5)	673(5)	710(5)	SAM	426(9)	487(9)	537(9)	586(9)
LIMMA	579(8)	628(7)	670(6)	708(6)	LIMMA	436(6)	496(6)	543(6)	591(5)
Shrink-t	580(7)	629(6)	670(7)	708(7)	Shrink-t	432(7)	492(7)	540(7)	588(8)
t-test	453(10)	533(10)	597(9)	654(9)	t-test	326(10)	399(10)	466(10)	524(10)
Efron-t	586(5)	624(8)	655(8)	681(8)	Efron-t	481(4)	528(4)	571(4)	616(4)
FC	509(9)	548(9)	582(10)	616(10)	FC	449(5)	508(5)	554(5)	590(6)
BGX	-	-	-	-	BGX	<i>604</i>	<i>695</i>	<i>750</i>	<i>790</i>
logit-T	770	788	803	815	logit-T	748	768	785	800
PPLR	628	673	707	734	PPLR	620	658	693	724