

東北メディカル・メガバンク計画 バイオバンク利用による主要業績リスト

作成日：2026年06月08日

種類	新規件数 2026/01/07 -2026/05/20		これまでの件数 2015 - 2026/01/06		合計	
	件数	文献番号	件数	文献番号		
原著論文 (利用した試料・情報別)	1. ゲノム情報					
	1_1. 頻度情報	86件	(1-86)	1268件	(87-1354)	1354件
	1_2. 標準ゲノム	1件	(1355)	11件	(778, 797, 892, 981, 1356-1362)	12件
	1_3. 全ゲノム	4件	(5, 40, 1363, 1364)	11件	(678, 909, 1246, 1253, 1365-1371)	15件
	1_4. SNP Array データ					
	1_4_1. Japonica Array	8件	(60, 1363, 1372-1377)	118件	(149, 166, 167, 179, 213, 258, 282, 431, 434, 552, 678, 684, 696, 878, 993, 1059, 1078, 1366-1369, 1371, 1378-1473)	126件
	1_4_2. OmniExpressExome	件		10件	(678, 1432, 1474-1481)	10件
	1_5. iMETHYL	3件	(1482-1484)	40件	(684, 1485-1523)	43件
	1_6. その他のゲノム	件		2件	(1524, 1525)	2件
	2. メタゲノム	件		2件	(1526, 1527)	2件
	3. メタボローム情報	件		9件	(552, 1446, 1528-1534)	9件
	4. GWAS レポジトリ	1件	(1535)	5件	(1432, 1536-1539)	6件
	5. 試料					
	5_1. 細胞	件		1件	(216)	1件
	5_2. 血清・血漿	件		4件	(1540-1543)	4件
	5_3. DNA	件		5件	(1429, 1524, 1525, 1544, 1545)	5件
	5_4. 母乳	件		2件	(1546, 1547)	2件
	6. 健康調査情報					
	6_1. 調査票・検体検査情報等	8件	(5, 40, 1363, 1364, 1372, 1548-1550)	50件	(678, 878, 909, 993, 1059, 1246, 1253, 1370, 1371, 1415, 1429, 1432, 1446, 1448, 1460, 1463, 1469, 1524, 1525, 1530, 1531, 1542-1544, 1546, 1547, 1551-1574)	58件
	6_2. MRI 検査情報	2件	(40, 1550)	1件	(1565)	3件
7. 施設、技術・方法、データベース	件		28件	(375, 878, 1575-1600)	28件	
<b>小計 (※重複を除いた件数)</b>	<b>102件</b>		<b>1498件</b>		<b>1600件</b>	

知財申請	1. ゲノム情報	件		2件	(1601-1602)	2件
	2. 健康調査情報	件		2件	(1602-1603)	2件
	3. 血清	件		1件	(1603)	1件
	<b>小計 (※重複を除いた件数)</b>	件	—	<b>3件</b>		<b>3件</b>
引用・レビュー・学会抄録等	1. 論文・本での引用	4件	(1604-1607)	304件	(1608-1803) (1804-1911)	308件
	2. レビュー	5件	(1912-1916)	168件	(1917-2084)	173件
	3. 学会抄録	4件	(2085-2088)	61件	(2089-2149)	65件
	4. 学位論文	1件	(2150)	37件	(2151-2187)	38件
	<b>小計 (※重複を除いた件数)</b>	<b>14件</b>		<b>570件</b>		<b>584件</b>
<b>合計 (※重複を除いた件数)</b>		<b>116件</b>	—	<b>2071件</b>	—	<b>2187件</b>

### 分譲利用による成果

種類	新規件数 2026/01/07-2026/05/20		これまでの件数 - 2026/01/06		合計	
	件数	文献番号	件数	文献番号		
原著論文 (利用した試料・情報別)	ゲノム情報					
	頻度情報	件		3件	(678, 993, 1246)	3件
	全ゲノムデータ	件		2件	(678, 1246, 1371)	2件
	SNP Array データ	1件	(1372)	4件	(678, 993, 1371, 1429)	5件
	その他のゲノムデータ (ミトコンドリアゲノム)	件		2件	(1524, 1525)	2件
	メタボローム情報	件		2件	(1530, 1531)	2件
	健康調査情報					
	調査票情報、検体検査情報、特定健診情報、生理機能検査情報	2件	(1372, 1550)	19件	(1246, 678, 993, 1371, 1429, 1524, 1525, 1530, 1531, 1542-1544, 1553-1555, 1562, 1565, 1567, 1569-1571)	21件
	MRI 検査情報	1件	(1550)	1件	(1565)	2件
	試料:血清	0件		2件	(1542, 1543)	2件
	試料:DNA	件		4件	(1429, 1524, 1525, 1544)	4件
<b>小計 (※重複を除いた件数)</b>	<b>2件</b>		<b>21件</b>		<b>23件</b>	
知財申請	ゲノム情報	件		1件	(1602)	1件
	健康調査情報	件		2件	(1602, 1603)	2件
	試料:血清	件		1件	(1603)	1件
	<b>小計 (※重複を除いた件数)</b>	件	—	<b>2件</b>		<b>2件</b>
<b>合計 (※重複を除いた件数)</b>		<b>2件</b>	—	<b>23件</b>	—	<b>25件</b>

## 検索方法：

① Google Scholar を用いて次のキーワードで検索した。キーワード：1KJPN、2KJPN、3.5KJPN、4.7KJPN、8.3KJPN、14KJPN、38KJPN、54KJPN、60KJPN、61KJPN、iJGVD、Integrative Japanese Genome Variation、JG1、JG2、JRGA、Japonica Array、jMorp、iMethyl、JSV1、Tohoku Medical Megabank Project、Tohoku Medical Megabank Organization、ToMMo。

② ToMMo 所属の先生によって発表された論文を PubMed でひき、Cited by にリストされた論文を検索した。

③ 分譲申請による利用者から提出された「研究実施経過報告書」に記載されていた発表論文等を検索した。

除外基準： first author、corresponding author もしくは last author が岩手医科大学いわて東北メディカル・メガバンク機構もしくは東北大学東北メディカル・メガバンク機構に所属している論文。

検索結果のなかで、明らかに該当しない論文（例えば、言語名 Tommo So についての論文等）。

## ■文献（年毎にアルファベット順）

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### 知財申請 (1601-1603)

1601. Yamaguchi, K., Kusuhara, M., Serizawa, M., Mochizuki, T., Ohshima, K., Hatakeyama, K. *et al.* inventors; Google Patents assignee. Method for determining presence or absence of risk of developing cancer
1602. 株式会社東芝 inventors; 特許庁 assignee. 形質予測モデル作成装置、形質予測装置及び形質予測モデル作成方法
1603. 東ソー株式会社 inventors; 特許庁 assignee. がん罹患者の全生存期間を予測する方法

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